BOARD MEETING

January 12, 2022
5:30 p.m. - Polk County Administration Bldg., Room 120
111 Court Ave., Des Moines, IA

AGENDA

1) Roll Call
2) Public Hearing on plans, specifications, form of contract, engineer's estimate, and designating lowest responsible bidder for the construction of the 35th Street Wetland and the Lower Fourmile Creek Road Removals – Phase I project to Wenthold Excavating, LLC in a contract amount of $1,191,053.44 plus a 5% contingency.
    a. Action approving plans, specifications, form of contract, engineer's estimate, and designating lowest responsible bidder for the construction of the 35th Street Wetland and the Lower Fourmile Creek Road Removals – Phase I project to Wenthold Excavating, LLC in a contract amount of $1,191,053.44 plus a 5% contingency.
3) Public Hearing on plans, specifications, form of contract, engineer's estimate, and designating lowest responsible bidder for the Vegetation and Hardscape Removals in the Fourmile Creek Greenway to RW Excavating in a contract amount of $72,000.00, plus a 10% contingency.
    a. Action approving plans, specifications, form of contract, engineer's estimate, and designating lowest responsible bidder for the Vegetation and Hardscape Removals in the Fourmile Creek Greenway to RW Excavating in a contract amount of $72,000.00, plus a 10% contingency.
4) Public Comments
5) PCC Sustainability Committee Presentation
6) Financial Reports
7) Action on the Minutes of the Previous Meeting(s)

CONSENT AGENDA

Note: These are routine items and will be enacted by one roll call vote without separate discussion unless a Board Member or member of the public requests an item be removed to be considered separately. Please notify a PCCB Member to have an item removed.

8) Approving bill list.
9) Approving the Polk County Conservation Board's Bylaws.
10) Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the restoration of the Dykstra property within Chichaqua Bottoms Greenbelt, with a $20,000 match from Polk County Conservation.
11) Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for restoration of the Fourmile Creek Greenway, with a $32,056 match from Polk County Conservation.
12) Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the Priest Ravine Remediation Project, with a $26,260 match from Polk County Conservation.
13) Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the restoration of the Switchgrass field within Chichaqua Bottoms Greenbelt, with a $10,000 match from Polk County Conservation.

14) Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for an oxbow restoration within the Fourmile Creek Greenway, with a $2,250 match from Polk County Conservation.
15) Approving the purchase of a replacement trailer for the construction department in an amount not to exceed $18,600.00 with a 10% contingency ($1,860).
16) Approving the application for Federal/State Assistance Change in Applicant's Authorized Representative to be designated as Kami Rankin on behalf of Polk County Conservation Board.
17) Ratifying the in-person vote that took place at the Polk County Conservation Board Retreat on Thursday, January 6th, 2022, to approve a joint application with Polk City for the Transportation Alternatives Program (TAP) grant application and intent to provide 20% matching funding for 2026 TAP funding for the High Trestle Trail to Neal Smith Trail connection.

ACTION ITEMS

18) Approving the hiring of CultureALL to conduct internal consultation and assessments for PCC staff and develop a strategy roadmap for the organization through the next 1-3 years of Diversity, Equity, and Inclusion development in an amount not to exceed $16,818.00.
19) Approving Vehicle and Equipment Replacement program for FY22/23 and authorizing staff to acquire said vehicles and equipment upon Board of Supervisors FY22/23 budget approval and reallocate any proceeds from sales to support equipment needs.

BOARD DISCUSSION

Director Remarks
Board Chair & Members Remarks

CLOSED SESSION

20) Land Acquisition

ADJOURNMENT

Upcoming Events

- January 3 – April 24, 2022: Different Strokes Art Exhibition @Jester Park Nature Center
- February 9, 2022: PCC Board Meeting, 5:30 PM, Polk Co Admin Bldg, Rm 120

For more information on agenda items or to receive an accommodation to participate in a meeting, hearing, service, program or activity conducted by this office, please contact Polk County Conservation Office at 515-323-5300 or visit the office (12130 NW 128th St, Granger, Iowa). The information identified on this agenda may be obtained in accessible formats by qualified persons with a disability. PCCB meeting agendas are available to the public at the Polk County Conservation Office on Monday afternoon preceding Wednesday's Board meeting. Citizens can also view the Board agenda on Agency's website at www.leadingyououtdoors.org or request to receive meeting notices and agendas by email by calling the office or sending their request via email to pccb_info@polkcountyiowa.gov

POLK COUNTY CONSERVATION	**Date**	January 12, 2022
	Item No. **Roll Call No.** **Submitted by:**	**ACTION** **22-0102a AMENDED** **Adam Fendrick** **Park Planner**

AGENDA HEADING
Public Hearing approving plans, specifications, form of contract, engineer's estimate, and designating lowest responsible bidder for the construction of the 35th Street Wetland and the Lower Fourmile Creek Road Removals – Phase I project to Wenthold Excavating, LLC in a contract amount of $1,191,053.44 plus a 5% contingency.

INFORMATION:
As part of the partnership with the City of Des Moines for the Lower Fourmile Creek property buyouts, by Roll Call No. 20-0722, the City of Des Moines City Council approved funds for Fiscal Year '21 through Fiscal Year '23 for Road Removals within the Fourmile Creek Greenway in the amount up to $1,200,000; with $700,000 identified for Phase I Road Removals.

This Phase I road removal project was bid in tandem with the construction of the 35th Street Wetland project that was brought to the Board and approved in 2020.

This combined project was publicly advertised on BidNet Direct and Master Builders of Iowa for four weeks. Bids were opened on December 16, 2021, with only one bid received and opened with the consent of the bidder. The bid came in at $35,643 (3% over the engineer's estimate of $1,155,410.50).

Option1: Accept the bid with the understanding it is over engineer's estimate.

Option 2: Reject the bid and rebid the project. Owner would not have to redesign the project or wait the three months before soliciting new bids.

Staff reviewed the bid with the consultant, JEO Consulting, and they believe the bid is within reason especially considering current inflated construction costs and they recommend we proceed with Option 1 and award the bid to Wenthold Excavating, LLC.

This project is a great example of how we are able to leverage bond funds for the greater good of large scale projects that otherwise wouldn't be possible.

Staff has broken this project out into two projects from the various funding sources below:

FISCAL IMPACT:

Amount: **Fourmile Creek Road Removals – Phase I**

$594,870.19	Contract Amount (Overall Contract $1,191,053.44)
$ 29,743.51	5% Contingency
$624,613.70	**Not to Exceed**

Funding Source:

$700,000	City of Des Moines (Reimbursement)

Amount: **Fourmile Creek 35th St. Wetland**

$596,183.25	Contract Amount (Overall Contract $1,191,053.44)
$ 29,809.16	5% Contingency
$625,992.41	**Not to Exceed**

Funding Source:

$ 130,000.00	2012 Land & Water Legacy Bond
$ 65,000.00	WQI Grant
$ 65,000.00	City of Des Moines
$ 337,000.00	WFI Grant
$ 28,992.41	2022 Land & Water Legacy Bond

PREVIOUS BOARD ACTION(S):

Date: December 14, 2020
Roll Call Number: 20-1214 **(Yea – 5)**
Action: Approving amendment to the Professional Services Agreement for the Fourmile Creek 35th Street Wetland with JEO Consulting to provide additional engineering services for an amount of $49,500 subject to approval by the City of Des Moines.

Date: April 6, 2020
Roll Call Number: 20-0406 **(Yea – 4, VACANT – 1)**
Action: Approving contract with JEO Consulting Group for Design/Engineering Services for a storm water wetland in the Fourmile Creek Greenway along 35th street in the amount of $20,080.

Date: February 14, 2020
Roll Call Number: 20-0214 **(Yea – 4, VACANT – 1)**
Action: Approving The Urban Water Quality Initiative grant application for installation of a storm-water wetland in the Fourmile Creek Greenway south of Hubbell Avenue along 35th street with a $130,000 commitment from Polk County Conservation.

Invitation to Bid
ITB #**2021-009**

Fourmile Creek Stormwater Wetland & Roadway Removals – Phase I

Prepared by
Polk County Conservation
12130 NW 128th Street
Granger, IA 50109
515.323.5300
www.leadingyououtdoors.org

Polk County Conservation Board
Invitation to Bid
ITB 2021-009
for
Fourmile Creek Stormwater Wetland
& Roadway Removals Phase I

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DIVISION II

Construction Plans Fourmile Creek Stormwater Wetland and
Road Removals Phase I Prepared by JEO Consulting Group, Inc.…..... Attached

OFFICIAL PUBLICATION
NOTICE TO BIDDERS

POLK COUNTY CONSERVATION
POLK COUNTY IOWA

Polk County Conservation Board
Invitation to Bid
ITB 2021-009
for
Fourmile Creek Stormwater Wetland
& Roadway Removals Phase I

Sealed bids for **ITB#2021-009 Fourmile Creek Stormwater Wetland & Roadway Removals Phase I** in Polk County, Iowa will be received by the Polk County Conservation Board, 12130 NW 128th Street, Granger, Iowa, 50109. This project consists of all materials, equipment, and labor necessary to complete the work to construct a Stormwater Wetland, including all earthwork, grading, planting/seeding and site restoration and the removal of roadways, including the removal of all necessary utilities/infrastructure along with the site restoration of roadways to be converted into walking trails located in Des Moines, Iowa along Fourmile Creek. The project has a substantial completion date of August 31, 2022.

Bids will be received until **3:00.00 p.m., on December 16, 2021 on BidNet Direct https://www.bidnetdirect.com/iowa/polkcounty**. The successful bidder shall be awarded the contract by Polk County Conservation Board at the **Polk County Conservation Board Meeting held at 5:30 p.m. on January 12, 2022 at the Polk County Administrative Building located at 111 Court Ave. Des Moines, IA 50309 room 110.**

Interested bidders may obtain bid packets from Polk County BidNetDirect.com https://www.bidnetdirect.com/iowa/polkcounty under **ITB#2021-009 Fourmile Creek Stormwater Wetland & Roadway Removals Phase I.**

Each bidder shall accompany the bid with a bid security as defined in Iowa Code section 26.8. The bid security must be in an amount set forth in the bidding documents and made payable to Polk County Conservation Board. Failure to execute a contract for the proposed work and file an acceptable Performance Bond and Payment Bond in an amount equal to 100% of the contract price and a certificate of liability insurance within thirty days of the award of the contract will be just and sufficient cause for the rescinding of the award and the forfeiture of the bid security.

Sales tax exemption certificates will be issued to the successful bidder and its subcontractors for the purchase of materials and supplies related to this project.

By virtue of statutory authority, a preference will be given to products and provisions grown and produced within the State of Iowa and to Iowa domestic labor.

POLK COUNTY CONSERVATION
POLK COUNTY IOWA

Polk County Conservation Board
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PART I
BIDDER INFORMATION

1.1 PURPOSE

The Polk County Conservation Board (PCCB) would like to contract **ITB#2021-009 Fourmile Creek Stormwater Wetland & Roadway Removals Phase I** to a qualified contractor**.** Bids will be accepted from all persons or firms qualified to do so. A contract will be signed with the successful candidate.

This Invitation to Bid (ITB) provides instructions for parties interested in supplying the requirements of this Bid. It contains specifications for the services to be supplied and the terms and conditions thereof.

1.2 SCOPE OF PROJECT

The project consists of all materials, equipment, and labor necessary to complete the work to construct a Stormwater Wetland adjacent Fourmile Creek, including all earthwork, grading, infrastructure, planting/seeding and site restoration. Excavated soil from the wetland will either be hauled directly to backfill the roadway removals within Phase I or/and be hauled and stockpiled off site and use to backfill for future roadway removals in Phase II and Phase III. Work further includes the removal of vacated roadways, including the removal of all necessary utilities/infrastructure, storm sewers and drains, abandonment or adjustments of sewers, intakes and manholes. The Work includes partial roadway removals that will be converted into walking trails. Work includes removal of street curb and gutters, construction of new curb and gutters, HMA patches, crack/seal pavement and new PCC pavements. Project is located in Des Moines, Iowa along Fourmile Creek. Phase I has a substantial completion date of August 31, 2022. All Work in compliance with the all laws and permits.

1.3 INQUIRIES

Inquiries concerning this ITB must be submitted via BidNet Direct:
https://www.bidnetdirect.com/iowa/polkcounty

A. In all cases, no verbal communication shall override written communication or the contents of this ITB.

B. Questions can be submitted via the posting on BidNet Direct until **5:00 p.m., on December 10, 2021** Polk County will respond on the BidNet Direct posting which will be publish as addendums on **10:00 a.m., on December 13, 2021.**

1.4 APPLICANT'S RESPONSIBILITIES

Before submitting a Bid, each applicant shall make all investigations and examinations necessary to ascertain conditions and requirements affecting operation of the proposed services. Failure to make such investigations and examinations shall not relieve the successful applicant from the obligation to comply, in every detail, with all provisions and requirements, nor shall it be a basis for any claim whatsoever for alteration in any terms of or payment required by an Agreement.

No allowance will be made after bids are received for oversight, omission, error or mistake by applicant.

The person submitting the request will be responsible for its prompt delivery. The PCCB accepts no responsibility for delays in the receipt of your Bids due to mail delivery, messenger services or any other method of delivery. The responsibility for timely Bids delivery rests with the applicant.

1.5 RECEIVING OF BIDS

A. Proposals will be allowed until **3:00.00 p.m. December 16, 2021**. After which, the response platform on BidNet Direct will be closed and cannot be reopened.

B. Proposals must be submitted via BidNet Direct at: https://www.bidnetdirect.com/iowa/polkcounty

C. A **Pre-Bid meeting** will not be held for this project.

1.6 FILING OF BIDS

Electronic Submittals will be accepted only via BidNetDirect.com until **3:00.00 p.m. December 16, 2021**. At one (1) minute after due date and time, the ITB posting will be closed and moved to the "Closed Bids" tab on the Polk County BidNet page. This cannot be reopened. The Polk County Procurement Office accepts no responsibility for delays in the receipt of your proposal for any reason. If the office determines that it is in the best interest of the county to extend a due date, an addendum will be posted to the ITB on BidNet.com and the request will be re-posted.

1.7 OFFICIAL CLOCK

The official clock is the date/time on BidNet Direct.com

1.8 OPENING OF BIDS

Proposals will be reviewed by the Procurement Division designated selection committee and will awarded to the lowest responsible bidder.

1.9 SELECTION PROCESS

Applicants are advised that the PCCB intends to select the applicant that it determines to be most responsive and responsible and will provide the highest quality products and efficient services.

1.10 REJECTION OF BIDS

The Polk County Conservation Board reserves the right:

- To reject any and all bids.
- To waive technical or insubstantial irregularities when not shown to have resulted in any unfair advantage to any applicant.

1.11 REPORTING OF ANTI-COMPETITIVE PRACTICES

When for any reason collusion or other anti-competitive practices are suspected among any applicants, the Deputy Director of Polk County Conservation shall prepare a notice of the relevant facts, which shall be given to the Director for review and possible involvement of the office of the Polk County Attorney.

1.12 POLK COUNTY CONSERVATION BOARD STATEMENT

The PCCB may show preference in purchasing goods and services from vendors who produce goods or maintain an office in Iowa. Preference may also be given to goods produced in Polk County or to vendors maintaining an office in Polk County. Further, the Polk County Conservation Board may actively solicit and seek out local vendors of goods and services and to encourage said vendors to stock and supply Iowa-made products.

1.13 TAXES

The PCCB is exempt from federal, state and local sales and use tax on the materials, equipment, parts supplied, or services pursuant to this contract.

1.14 EXCLUSIVE AGREEMENT

The Agreement which results from this Bids solicitation constitutes the exclusive agreement between parties and incorporates the provisions of these terms and conditions, and supersedes any previous agreements, either written or oral. The terms and conditions hereof may not be altered without prior written consent of both parties.

1.15 PROJECT DATES

The following dates represent the proposed project schedule. If it becomes necessary to change the schedule, all known bidders will be notified.

Advertise Bids	November 22, 2021
Pre-Bid Conference	NA
Close Q&A	December 10, 2021
Bid Opening	December 16, 2021

Award Bids at PCC Board Meeting	January 12, 2022
Pre-Construction Meeting	TBD
Notice to Proceed	January 30, 2021
Anticipate Start Date	February 15, 2022 (Roadway Removals) May 1, 2022 (Stormwater Wetland)
Substantial Completion	August 31, 2022
Final Completion	October 31, 2022

Polk County Conservation Board
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PART II
TERMS AND CONDITIONS

2.1 TERMINATION

A. Termination for causes: The County may terminate the agreement resulting from this request at any time that the vendor fails to carry out its provisions or to make substantial progress under the terms specified in this request and the resulting Bids.

1. The County shall provide the contractor/vendor with five (5) days notice of conditions endangering performance.

2. The County shall be obligated only for those services rendered prior to the day of notice of termination, less any liquidated damages that may be assessed for nonperformance.

3. With the mutual agreement of both parties upon receipt and acceptance of not less than forty (40) days written notice, the agreement may be terminated on an agreed date prior to the end of the contract period without penalty to either party.

4. Polk County may terminate upon thirty (30) days notice if it determines it is in the County's interest to do so.

2.2 WARRANTIES AGAINST CONTINGENT FEES

The vendor warrants that no person or selling agency has been employed or retained to solicit and secure this contract upon an agreement of understanding for commission, percentage, brokerage, or contingency excepting bona fide employees or selling agents maintained by the contractor for the purpose of securing business. For breach or violation of this warranty, the County shall have the right to award this contract without liability, or in its discretion, to deduct from the contract price, or to otherwise recover the full amount of such commission, percentage, brokerage, or contingency.

Changes in provisions or services to be furnished under this bid may be made only in writing and must be approved mutually by the vendor and Polk County Conservation.

2.4 IMMUNITY FROM LIABILITY

Every person party to this agreement is hereby notified and agrees that Polk County, the using agency and any funding source for the using agency are immune from liability and suit for or from vendor's activities involving third parties and arising from this bid.

2.5 CONFLICTS BETWEEN TERMS

The County reserves the right to accept or reject any exception taken by the Offerer to the terms and conditions of this Invitation for Bid.

2.6 WAIVER OF INFORMALITIES

The County reserves the right to waive any and all informalities in bids if such waiver does not substantially change the offer or provide a competitive advantage to any Offerer.

2.7 TAXES - STATE AND LOCAL

A. The County is exempt from federal, state, and local sales and use tax on the equipment, materials, parts supplied, or services pursuant to this contract.

B. Iowa Code Sections 422.42(15) & (16) and 422.47(5) authorizes the approved contractor to purchase building materials, incorporated solely into this project, tax free. Polk County, upon approval of contract by the staff, will issue Tax Exemption Certificates to prime contractor and authorized sub-contractors.

C. The Tax Exempt Certificates will allow the purchase of qualifying items to be made exempt from Iowa sales tax, applicable local option sales tax, and school infrastructure local option sales tax. It is the prime contractor's responsibility to keep records identifying the materials and supplies purchased and verifying they were used on this construction contract. Misuse of certificates could result in civil or criminal penalties.

2.8 EXCLUSIVE AGREEMENT

The agreement which results from this bid solicitation constitutes the exclusive agreement between parties and incorporates the provisions of these terms and conditions, and supersedes any previous agreements, either written or oral. The terms and conditions hereof may not be altered without prior written consent of both parties.

2.9 REMEDIES UPON DEFAULT

In any case where the vendor has failed to deliver or has delivered nonconforming goods or services, the County may procure goods or services in substitution from another source and charge the difference between the contracted price and the market price to the defaulting vendor. The Polk County Attorney shall be requested to make collection from the defaulting vendor.

2.10 ACTS OF GOD

A. Vendor shall not be considered to be in default under this agreement, if performance is delayed or made impossible by an act of God, floods, fires, strikes, and similar events; but in each such case, the delay or impossibility must be beyond the control and without the fault or negligence of vendor.

B. It shall be the responsibility of the vendor to promptly advise the Natural Resources Manager of the delay. The County may elect to cancel all orders on file with the vendor and place the order with another vendor.

2.11 SUBCONTRACTORS

Successful vendors shall be responsible for all acts and performance of any subcontractor or secondary suppliers that the successful vendor may engage for the completion of the terms of this bid. A delay that results from a subcontractor's conduct, negligence, or failure to perform shall not exempt the vendor from default remedies. Successful vendor shall be responsible for payment to all subcontractors or secondary suppliers.

2.12 ASSIGNMENT

Vendors may not assign contracts or purchase orders to any party (including financial institutions) without written permission of Polk County Conservation.

2.13 TITLE TO GOODS

Vendor warrants that the goods procured hereunder are free from all liens, claims, or encumbrances.

2.14 INDEMNIFICATION

To the extent the goods are not manufactured in accordance with Buyer's designs, vendor shall defend, indemnify and hold harmless Buyer, Buyer's assignees, and other users of the goods from and against any claim of infringement of any letter patent, trade names, trademark, copyright, or trade secrets by reason of sale or use of any articles purchased hereunder. Buyer shall promptly notify vendor of any such claim.

2.15 DISCRIMINATION AND AFFIRMATIVE ACTION

A. Vendor shall comply with the provisions of federal, state, and local laws and regulations to insure that no employee or applicant for employment is discriminated against because of race, religion, color, age, sex, national origin, or disability.

Vendor shall have an affirmative action plan and shall provide the County with reports required to insure compliance with equal employment legislation and regulations if requested. Vendor shall insure that all authorized subvendors comply with the provisions of this clause.

B. A copy of the Bidder's "Affirmative Action Plan" must be made available to Polk County upon request.

Polk County Conservation Board
Invitation to Bid
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for
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& Roadway Removals Phase I

PART III
SPECIAL REQUIREMENTS

3.1 BID SUBMITAL

Bids shall be submitted on **ATTACHED Bid Proposal Form** sheet.

3.2 BIDDER QUALIFICATIONS

A. Bidders shall be prepared to satisfy Owner as to integrity, experience, adequacy of equipment and personnel, and ability to perform work specified.

B. Is successful bidder is a non-Iowa corporation, the bidder shall permit proof to jurisdiction prior to execution of contract of authorization by Secretary of State to do business in Iowa.

3.3 INSURANCE CERTIFICATE

A Certificate of Insurance naming **Polk County** as an additional insured will be required upon award of bid as follows: "**Polk County Conservation Board, Polk County Government, it's Elected Officials, Employees, Agents and/or Assigns are Additional Insured's** with respect to Project: "Fourmile Creek Stormwater Wetland & Roadway Removals". **See Attached Requirements.**

3.4 BONDS

A. A "Bid" bond in the amount of 5% is required for this project.
B. Both a "Performance" and "Payment" bond will be required for this project in the amount.
C. A 5% retainage will be withheld from payment until final inspection of completed project.

3.5 DETAILED PLANS

A, Detailed Plans have been prepared by JEO Consulting Group, Inc.
For the Stormwater Wetland and Roadway Removals Project Number 200454

Polk County Conservation Board
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PART IV
GENERAL REQUIREMENTS

4.1 SUMMARY

This project consists of all materials, equipment, and labor necessary to complete the work to construct a Stormwater Wetland adjacent Fourmile Creek, including all earthwork, grading, infrastructure, planting/seeding and site restoration. Excavated soil from the wetland will either be hauled directly to backfill the roadway removals within Phase I or/and be hauled and stockpiled off site and use to backfill for future roadway removals in Phase II and Phase III. Work further includes the removal of vacated roadways, including the removal of all necessary utilities/infrastructure, storm sewers and drains, abandonment or adjustments of sewers, intakes and manholes. The Work includes partial roadway removals that will be converted into walking trails. Work includes removal of street curb and gutters, construction of new curb and gutters, HMA patches, crack/seal pavement and new PCC pavements. Project is located in Des Moines, Iowa along Fourmile Creek. Phase I has a substantial completion date of August 31, 2022. All Work in compliance with the all laws and permits.

Additional payments for increased quantities, labor or equipment usage will only be allowed if a change order is warranted due to a change in project scope or unforeseen conditions.

4.2 QUALITY ASSURANCE

Perform all work in compliance with applicable requirements of governing authorities having jurisdiction.

1. The Technical Specifications that apply to the materials and construction practices shall be in accordance to the latest edition of the **Iowa States Urban Specifications for Public Improvements (SUDAS),** except as modified by these Special Provisions.

4.3 PROTECTION

Protect from damage existing buildings, walks, paving, fencing, sod and other items noted to remain. Maintain bench marks, monuments, property stakes and other reference points. The Contractor is to use due caution in working over and around high pressure gas lines.

Contractor is responsible for correcting damage caused to existing construction, utilities, surfacing, tile lines, and other items noted to remain and no additional expense to the owner.

4.4 SAFETY

All work and methods of construction shall conform to the State of Iowa Bureau of Labor and all OSHA Standards.

4.5 ACCESS TBD

4.6 FINAL INSPECTION

Work will not be considered for final inspection until all the work has been completed and the Contractor has certified all items are in strict compliance with the contract documents.

The Contractor and Owner shall mutually agree on a date/time for a final inspection and both be present at the job site during said process.

The Owner will present the Contractor a list of items not meeting contract requirements. This list will be confirmed in writing and all items listed must be made acceptable before final payment will be made.

4.7 LIQUIDATED DAMAGES

All work must be completed and accepted by the completion dates assigned. If the contractor fails to meet the completion deadlines liquidated damages may be assets to the Contractor in the amount not to exceed five hundred dollars ($500.00) per day the project goes beyond the contract time.

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PART V
SCOPE OF WORK

Scope of Work (General):

5.0 SCOPE OF WORK (General):

The project consists of all materials, equipment, and labor necessary to complete the work to construct a Stormwater Wetland adjacent Fourmile Creek, including all earthwork, grading, infrastructure, planting/seeding and site restoration. Excavated soil from the wetland will either be hauled directly to backfill the roadway removals within Phase I or/and be hauled and stockpiled off site and use to backfill for future roadway removals in Phase II and Phase III. Work further includes the removal of vacated roadways, including the removal of all necessary utilities/infrastructure, storm sewers and drains, abandonment or adjustments of sewers, intakes and manholes. The Work includes partial roadway removals that will be converted into walking trails. Work includes removal of street curb and gutters, construction of new curb and gutters, HMA patches, crack/seal pavement and new PCC pavements. Project is located in Des Moines, Iowa along Fourmile Creek. Phase I has a substantial completion date of August 31, 2022. All Work in compliance with the all laws and permits.

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BID PROPOSAL

Type of Work: Construction Project No. ITB#2021-009
Letting Date July 1st, 2021 Park/Area Fourmile Wetland & Roads

Project Location Stormwater Wetland - Intersection of E. 35th St & Hull Ave. Des Moines, IA Roadway Removals – E. 35th St, E. 36th St, E. 36th Crt, E. 37th St, E. Jefferson Ave, E. Sheridan Ave, E. Arthur Ave, Fourmile Dr, E. 41st St, E. 40th Crt, E. 39th St, Osceola Ave, e. 40th St,

Description of Work: _____

The bidder hereby certifies that no other principal is involved in or has an interest in this proposal; that the bidder has thoroughly examined the site of the work and understands that the quantities of work required by the plans and specifications and addend ___,___,___,___, and___, are approximate only and are subject to increases and decreases; that the bidder understands that all quantities of work actually required must be performed and that payment therefore shall be at the unit process stipulated herein; that the bidder proposes to timely furnish the specified materials in the quantities required and to furnish the machinery, equipment, labor and expertise necessary to competently complete this project by the time specified; that no state or county official or employee has a direct or indirect interest in the contract which would cause violation of Iowa Code Section 314.2; that the bidder has made no agreement with any supplier of motor fuel or special fuel which will result in violation of Iowa Code Section 452A.17(8).

If this bid is accepted, Bidder agrees: to perform all "extra work" required to complete the project at unit prices or lump sums to be agreed upon in writing prior to commencement of such "extra work" or, if prior agreement cannot be reached, to perform the work on a "force-account basis" as provided in the specifications; to execute the formal contract within thirty day of the date of approval for award or to forfeit the proposal guaranty furnished herewith; to begin work in accordance with the contract documents and to either complete the work within the contract period or pay liquidated damages, which shall accrue at the daily rate specified above, for each additional working day the work remains uncompleted; and to furnish a performance bond in an amount equal to the contract award as security for the full and complete performance of the contract in accordance with the plans and specifications.

Enclosed herewith is a certified check, credit union share draft, cashier's check, bank draft on a solvent or a bid bond in the penal sum shown in the contract document as a proposal guaranty. It is understood by bidder that the said guaranty document shall be retained by the Contracting Authority as a forfeiture in the event the formal contract is not executed or performance bond is not furnished if the award is made to the undersigned.

The signing of the Bid Document shall serve as an unsworn declaration that, I (the owner, partner, President, other corporate officer, or an authorized representative) hereby certify under penalty of perjury under the laws of the United States and the State of Iowa that I have read, understand, and accept the Bidding Certifications and other provisions contained in the Proposal Notice and the DBE Contract Provisions (if a DBE goal has been set).

Proposal of _____

Name of Bidder

_____

Street Address

_____

City State Zip Code

Federal Tax I.D. No._____

Signatures are to be by authorized agent. If joint venture, each shall sign.

_____ _____ _____ _____ _____ _____

Signature Date Signature Date

Project No. ITB#2021-009
Park/Area: Fourmile - Wetland & Road Removals

POLK COUNTY CONSERVATION
Leading You Outdoors

BID FORM

UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

ROADWAY REMOVALS PHASE I						
Item No.	SUDAS Number	Item	Unit	Total	Unit Price	Total Price
	DIVISION 2	EARTHWORK				
2.01	2010-D-1	TOPSOIL, ON-SITE	CY	55	$	$
2.02	2010-D-2	TOPSOIL, COMPOST-AMENDED	CY	400	$	$
2.03	2010-D-3	TOPSOIL, OFF-SITE	CY	4400	$	$
2.04	2010-E	EXCAVATION, CLASS 10	CY	70	$	$
2.05	2010-I	SUBBASE, MODIFIED	SY	1248	$	$
2.06	2010-J-2-c	REMOVAL OF KNOWN PIPE CULVERT, CMP, EQUAL TO OR LESS THAN 40 IN	LF	91	$	$
2.07	2010-J-2-c	REMOVAL OF KNOWN PIPE CULVERT, RCP	LF	58	$	$
	DIVISION 4	SEWERS AND DRAINS				
4.03	4020-A-1	STORM SEWER, TRENCHED, RCP, 15 IN. DIA.	LF	30	$	$
4.04	4020-H	REMOVAL OF STORM SEWER	LF	549	$	$
4.05	4020-F	STORM SEWER ABANDONMENT, PLUG	EA	2	$	$
4.07	4030-B	PIPE APRON, RCP, 15 IN. DIA.	EA	1	$	$
4.08	4030-D	PIPE APRON GUARD	EA	1	$	$
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM SEWER				
6.01	6010-B	INTAKE, SW-501	EA	1	$	$
6.02	6010-E	MANHOLE ADJUSTMENT, MINOR	EA	3	$	$
6.03	6010-F	MANHOLE ADJUSTMENT, MAJOR	EA	9	$	$
6.07	6010-H	REMOVE INTAKE	EA	4	$	$
	DIVISION 7	STREETS AND RELATED WORK				
7.01	7010-A	PAVEMENT, PCC, 6 IN.	SY	930	$	$
7.02	7010-E	CURB AND GUTTER, 2.5 FT, 6 IN.	LF	220	$	$
7.05	7030-C	SHARED USE PATH, PCC, 6 IN.	SY	80.0	$	$
#REF!	7030-G	DETECTABLE WARNINGS	SF	44	$	$
#REF!	7040-A	FULL DEPTH PATCHES	SY	89	$	$
#REF!	7040-C	PARTIAL DEPTH PATCHES	SF	300	$	$
#REF!	7040-D	CRACK AND JOINT CLEANING AND FILLING, HOT POUR	LF	40	$	$
7.11	7040-H	PAVEMENT REMOVAL	SY	13578	$	$
	DIVISION 8	TRAFFIC CONTROL				
8.01	8010-999-A	REMOVE, SALVAGE, AND REINSTALL SIGN	EA	2	$	$
8.02	8010-999-B	REMOVE AND SALVAGE SIGN	EA	18	$	$
8.03	8010-999-C	OBJECT MARKER, OM1-3	EA	4	$	$
8.04	8010-999-D	TYPE A SIGNS, SHEET ALUMINUM	SF	6.25	$	$
8.05	8010-999-E	INSTALL TYPE A SIGN	EA	1	$	$
8.06	8010-999-F	48 IN FLEXIBLE DELINEATOR ASSEMBLY	EA	2	$	$
8.07	8010-999-G	TRAIL CLOSED GATE	EA	1	$	$
#REF!	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	$	$
	DIVISION 9	SITE WORK AND LANDSCAPING				
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)	AC	4.7	$	$
9.02	9040-F-1	WATTLE, STRAW, 12 IN. DIA.	LF	3100.0	$	$
9.04	9060-E	REMOVAL OF FENCE	LF	20	$	$
9.05	9060-999-A	REMOVAL OF FENCE POSTS, WOODEN	LS	1	$	$

	DIVISION 10	DEMOLITION				
10.01	10,010-999-A	REMOVAL OF DEBRIS	LS	1	$	$
	DIVISION 11	MISCELLANEOUS				
11.01	11,020-A	MOBILIZATION	LS	1	$	$
11.02	11,050-A	CONCRETE WASHOUT	LS	1	$	$
		ROADWAY REMOVALS PHSAE I SUB-TOTAL:				$

35th STREET STORMWATER WETLAND						
Item No.	SUDAS Number	Item	Unit	Total	Unit Price	Total Price
	DIVISION 2	EARTHWORK				
2.01	2010-B	CLEARING AND GRUBBING	AC	4.30	$	$
2.02	2010-D-1	TOPSOIL, ON-SITE	CY	2597	$	$
2.03	2010-D-2	TOPSOIL, COMPOST-AMENDED	CY	513	$	$
2.04	2010-E	EXCAVATION, CLASS 13	CY	528	$	$
2.05	2010-999-A	EXCAVATION, CLASS 13, WASTE	CY	10179	$	$
2.06	2010-999-B	EXCAVATION, CLASS 13, STOCKPILE	CY	12188	$	$
2.07	2010-999-C	EXCAVATION, CLASS 10, USUITABLE OR UNSTABLE MATERIAL	CY	500	$	$
	DIVISION 4	SEWERS AND DRAINS				
4.01	4020-A-1	STORM SEWER, TRENCHED, PVC, 6 IN. DIA	LF	74	$	$
4.02	4020-D	REMOVAL OF STORM SEWER, RCP, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	370	$	$
4.03	4020-999-B	STORM SEWER, REMOVE AND RESET, TRENCHED, RCP, 36 IN. DIA.	LF	60	$	$
4.05	4020-999-C	ANTI-SEEP COLLAR	EA	1	$	$
4.06	4030-B	PIPE APRON, RCP, 36 IN. DIA.	EA	1	$	$
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM SEWER				
6.01	6010-A	MANHOLE, SW-401, 84 IN. DIA.	EA	1	$	$
6.02	6010-B	INTAKE, SW-513, MODIFIED, 6.0' X 6.0'	EA	1	$	$
6.03	6010-F	MANHOLE ADJUSTMENT, MINOR	EA	1	$	$
6.04	6010-H	REMOVE MANHOLE	EA	1	$	$
6.05	6010-H	REMOVE INTAKE	EA	2	$	$
6.06	6010-999-A	WATER CONTROL STRUCTURE	EA	1	$	$
	DIVISION 8	TRAFFIC CONTROL				
8.01	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	$	$
	DIVISION 9	SITE WORK AND LANDSCAPING				
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)	AC	2.8	$	$
9.02	9010-999-B	WETLAND GRASS SEEDING (INSTALL ONLY)	AC	1.5	$	$
9.03	9040-F-1	WATTLE, STRAW, 12 IN.	LF	4255	$	$
9.04	9040-O-1	STABILIZED CONSTRUCTION ENTRANCE	SY	257	$	$
9.05	9040-Q-1	EROSION CONTROL MULCHING, CONENTIONAL	AC	4.6	$	$
9.06	9040-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING	AC	0.5	$	$
9.07	9040-999-A	DITCH LINER	SF	2800	$	$
9.08	9060-E	REMOVAL OF FENCE	LF	82	$	$
	DIVISION 11	MISCELLANEOUS				
11.01	11,020-A	MOBILIZATION	LS	1	$	$
11.02	11,999-A	TEMPORARY GRANULAR SURFACING	SY	570	$	$
		STORMWATER WETLAND **SUB-TOTAL:**				$
		TOTAL AMOUNT BID:				$_____

POLK COUNTY GOVERNMENT

INSURANCE AND CERTIFICATE REQUIREMENTS

REQUIREMENTS.

The contractor shall secure and maintain throughout the duration of this contract, insurance of such types and not less than the amounts specified herein. The Contracting Authority **(POLK COUNTY)** shall be named as "Additional Insured," using the following language: **"POLK COUNTY GOVERNMENT, its Elected Officials, Employees, Agents, and Assigns."**

Insurance coverage will be considered acceptable when provided in one of the following methods:

The Contractor shall furnish the Contracting Authority with a proper Certificate of Insurance or affidavits executed by representatives of duly qualified insurance companies, doing business in IOWA for approval by the Contracting Authority.

The Certificate shall identify the following: the insurance company firm name and address; contractor firm name and address; insurance policy(s) number(s); policy period; type of policy and coverage; limits of coverage; description of operations covered; certificate holder/"Additional Insured"; and cancellation clause.

All certificates submitted for the purpose of complying with these specifications shall identify as the "Named Insured" the Contractor; and the Contracting Authority, its agents and representatives, as "Additional Insureds."

This requirement shall apply with equal force, whether the work is performed by (1) persons employed directly by the Contractor, (2) by a subcontractor, or (3) by an independent contractor.

Regardless of such approval by the Contracting Authority, it shall be the responsibility of the Contractor to maintain adequate insurance coverage at all times, and failure to do so shall not relieve the Contractor of any contractual obligation or responsibility. Failure on the part of the Contractor to maintain this insurance in full effect will be treated as such by the Contracting Authority. Failure on the part of the Contractor to comply with the requirements of this article will be considered sufficient cause to suspend the work, withhold payment(s), and/or be disqualified from receiving further contract awards.

Insurance policies filed with the Contracting Authority shall state that thirty (30) calendar days prior written notice will be given to the Contracting Authority before any policy covered thereby is changed or canceled.

Evidence of insurance coverage as identified and stipulated by these specifications shall be approved by the Contracting Authority prior to any work being performed by the Contractor, subcontractor(s), or agents of the Contractor.

TYPES OF INSURANCE

A. **Workers' Compensation and Employers' Liability.** This insurance shall protect the Contractor against all claims under Iowa Workers' Compensation Law. The Contractor shall also be protected against claims for injury, disease, or death, or employees which for any reason, may not fall within the provisions of the Workers' Compensation Law. The insurance requirements shall not be less than the following:

1. Workers' Compensation – Statutory
2. Employers' Liability

a. **$500,000 Per Accident**
b. **$500,000 Disease, Policy Limit**
c. **$500,000 Disease, Each Employee**

B. **Commercial General Liability**. This insurance shall be written in comprehensive form and shall protect the Contracting Authority against all claims arising from injuries to any person or damage to property of others arising out of any negligence of the Contractor.

The Contractor shall provide and maintain insurance coverage to protect the Contracting Authority against any and all claims for damages for personal injury, including accidental death, as well as from claims under this contract, whether such operations be performed by the Contractor or any subcontractors, or by one directly or indirectly employed by the Contractor or any subcontractors.

The liability limits shall not be less than the following:

General Aggregate	**$ 2,000,000**
Products-Completed Operations Aggregate	**2,000,000**
Personal & Advertising Injury	**1,000,000**
Each Occurrence	**1,000,000**
Fire Damage (Any one Fire)	**100,000**
Medical Expenses (Any One Person)	**5,000**

C. **Automobile Liability.** This insurance shall be written in comprehensive form and shall protect the Contractor against all claims for the operation of motor vehicles, whether they are owned, non-owned, or hired, by or on behalf of the Contractor. The liability limits shall not be less than the following:
$1,000,000 CSL (Combined Single Limit) per accident

D. **Excess Liability Umbrella.** The Contractor shall procure and maintain, during the life of this contract **$2,000,000 Excess Liability Coverage (Umbrella**). This coverage is over and above the underlying coverage of **$1,000,000/$2,000,000** the General Liability and Automobile & Employers Liability.

E. **Builders Risk Insurance.** **Coverage shall be equal to 100 per cent of the replacement cost of all proposed construction (when applicable).**

F. **Subcontractors.** The contractor shall require that any of its agents and / or subcontractors, who perform work and/or services pursuant to the provisions of this contract, meet the same insurance requirements as are required of the prime contractor.

G. **Performance Bond.** A bond for the faithful and timely completion of the entire proposal must be provided with a limit of 100 percent of the contract sum **(when applicable).**

H. **Liquor Liability.** Comprehensive liquor liability coverage shall be purchased with limits not less than **$1,000,000**. **This coverage is mandatory when the contractor/vendor will be serving alcohol for consumption.**

MISCELLANEOUS.

A. **Cost of Insurance.** The Contracting Authority shall make no direct payments to the Contractor for any costs associated with securing, maintaining, and/or providing the insurance coverage required by the Contract Department. All costs of such coverage shall be included in the prices bid and no additional payments for such costs shall be made.

B. **Personal Liability of Public Officials.** In carrying out any of the provisions of the contract, or in exercising any power or authority granted to any agent or representative of the County Board thereby, there shall be no liability upon such agent or representative, including the engineer or authorized assistants, either personally or as an official of the County Board, it being understood that in such matters they act as the agent and representative of the County Board.

C. **Non-Waiver of Legal Rights.** The Contracting Authority shall not be precluded or estopped by any measurement, estimate, or certificate made either before or after the completion and acceptance of the work and payment thereof, from showing the true amount and character of the work performed and the materials furnished by the Contractor, or from showing that such measurement, estimate, or certificate is untrue or incorrectly made or that the work or materials do not in fact conform to the contract.

The Contracting Authority shall not be precluded or estopped, notwithstanding any such measurement, estimate, or certificate and payment in accordance therewith, from recovering from the Contractor and Surety such damages as it may sustain by reason of failure to comply with the terms of the contract. Neither the acceptance by the Contracting Authority, nor any representative(s), nor payment for acceptance of the whole or any part of the work, nor any extent of time, nor any possession taken place by the Contracting Authority shall operate as a waiver of any portion of the contract, or any powers herein reserved, or any right to damages herein provided. A waiver of any breach of the contract shall not be held to be a waiver of any other subsequent breach.

D. **Litigation for Claims and Save Harmless Clause.** The Contractor shall indemnify and hold harmless the Contracting Authority, Board of Supervisors, Elected Officials, Employees, Agents, and Assigns from all suits, actions, or claims of any character brought because of any injuries or damages received or sustained by any person(s), or property because of any act, omission, or neglect in safeguarding or performing the work, or through use of unacceptable materials in constructing the work.

The Contractor shall also hold the Contracting Authority, Board of Supervisors, Elected Officials, Employees, and their Assigns harmless from all claims for damages arising from any neglect, default, or mismanagement or omission of the Contractor, any subcontractor(s), agent, or employee in the performance of any duties imposed by this contract, or by law. If any litigation on account of such claims shall be commenced against the Contracting Authority, Board of Supervisors, Elected Officials, Employees, Agents, or Assigns, the Contractor, upon notice thereof from the Contracting Authority, shall defend the same at their cost and expense; and the record of any judgement rendered against the Contracting Authority, Board of Supervisors, Elected Officials, Employees, Agents, or Assigns to recover the full amount thereof, with interest and costs, and attorney's fees incurred by said Contracting Authority. The right of action therefore shall accrue to the Contracting Authority as soon as judgement shall have been rendered, whether the Contracting Authority shall have paid the amount or not.

THE CONTRACTOR IS REQUIRED TO BE IN ACCORDANCE WITH ALL O.S.H.A. SAFETY GUIDELINES AND REGULATIONS AT ALL TIMES DURING THE CONTACT PERIOD.

POLK COUNTY GOVERNMENT
CERTIFICATE OF INSURANCE

REQUIREMENTS.

Certificates of Insurance are required on every contract to show proof of adequate insurance. A Certificate shall be submitted with each set of contract documents to the Risk Manager for review. Contract documents will not be submitted to the Board of Supervisors for execution until the Certificate of Insurance is correct and has received staff approval. The Certificate(s) must specifically identify the project (No yearly or all – project certificates will be accepted), and show **POLK COUNTY GOVERNMENT, its Elected Officials, Employees, Agents, and Assigns,** as "Additional Insured."

The following statements are requirements and should aid in the preparation of an acceptable certificate. The statement numbers refer to the circled numbers on the sample certificate.

1. The name of the producer with complete address, zip code, and telephone number.

2. The Name of the Insured with complete address, zip code, and telephone number.

3. The issue date must be complete.

4. The insurance companies affording coverage must be named and approved by the Insurance Commission of the State of Iowa. The Company letters (**4a**) must be placed along the corresponding insurance coverages **(4b)**.

5. All Certificates shall state that XCU Coverage is included. (If applicable)
The limits listed below are minimum acceptable limits. The Insurance Agent should review the Contract Special Provisions for each project, and verify with **POLK COUNTY RISK MANAGEMENT** that the insurance requirements have not been changed, as limits may vary from project to project.

6. **General Liability:**

General Aggregate	**$2,000,000**
Product Completed Operations Aggregate	**$2,000,000**
Personal & Advertising Injury	**$1,000,000**
Each Occurrence	**$1,000,000**
Fire Damage (Any one fire)	**$ 100,000**
Medical Expense (Any one person)	**$ 5,000**

7. **Automobile Liability:** **$1,000,000**
Each Accident **Combined Single Limit**

8. **Workers' Compensation:**

- Statutory Benefits
- Employers' Liability (Coverage B) **$ 500,000**

9. Excess Liability Umbrella **$2,000,000**

10. Builders Risk

a. Shall be equal to 100 per cent of replacement cost of construction. **(When Applicable)**

11. Performance Bond

a. For the faithful and timely completion of the entire proposal with a limit of 100 percent of the contract sum **(When Applicable)**

12. Liquor Liability **$1,000,000**

a. Mandatory for contractors/vendors who serve alcohol for consumption

13. Policy numbers for all policies must be included

14 Policy effective dates for all policies must be included

15. Policy expiration dates must be included.

16. Description of Operations: The Project Name and Work Order Number must be shown. All contracts require "**POLK COUNTY GOVERNMENT, its Elected Officials, Employees, Agents, and Assigns"** to be additionally insured.

17. POLK COUNTY GOVERNMENT must clearly and explicitly be shown the Certificate Holder.

18. The Cancellation Clause must read exactly as follows:

"Should any of the above described policies be canceled before the expiration date thereof, the issuing company will mail thirty (30) days written notice to the certificate holder named to the left."

19. All certificates of insurance must be signed by an authorized representative.

20. In order to preserve the governmental immunities available as defenses to contractor (or Licensor) and its officials and employees, any insurance policy must contain an endorsement with the following language:

"The Company and the Insured expressly agree and state that the purchase of this policy of insurance by the Insured does not provide coverage for torts specified in Iowa Code 670.4, and that the Insured does not waive any of the defenses of governmental immunity available to the Insured under Iowa Code 670.4 as it now exists and as it may be amended from time to time. The Company and the Insured further expressly agree

and state that the Insured may, at any time, assert any of the governmental immunity defenses available to it without affecting the coverage afforded under this policy."

All bidders must submit the following completed form to the governmental body requesting bids per 875 Iowa Administrative Code Chapter 156.

Bidder Status Form

To be completed by all bidders — Part A

Please answer "Yes" or "No" for each of the following:

☐ Yes ☐ No My company is authorized to transact business in Iowa.
(To help you determine if your company is authorized, please review the worksheet on the next page).

☐ Yes ☐ No My company has an office to transact business in Iowa.

☐ Yes ☐ No My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.

☐ Yes ☐ No My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.

☐ Yes ☐ No My company is not a subsidiary of another business entity or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder. Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a non-resident bidder. Please complete Parts C and D of this form.

To be completed by resident bidders — Part B

My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: _____ to _____ Address: _____

(mm/dd/yyyy) City, State, Zip: _____

Dates: _____ to _____ Address: _____

(mm/dd/yyyy) City, State, Zip: _____

Dates: _____ to _____ Address: _____

(mm/dd/yyyy) City, State, Zip: _____

You may attach additional sheet(s) if needed.

To be completed by non-resident bidders — Part C

1. Name of home state or foreign country reported to the Iowa Secretary of State:

_____

2. Does your company's home state or foreign country offer preferences to bidders who are residents? ☐ Yes ☐ No

3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.

_____

_____

You may attach additional sheet(s) if needed.

To be completed by all bidders — Part D

I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: _____

Signature: _____ Date: _____

Worksheet: Authorization to Transact Business

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

☐ Yes ☐ No My business is currently registered as a contractor with the Iowa Division of Labor.

☐ Yes ☐ No My business is a sole proprietorship and I am an Iowa resident for Iowa income tax purposes.

☐ Yes ☐ No My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.

☐ Yes ☐ No My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.

☐ Yes ☐ No My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa Secretary of State, has filed its most recent biennial report with the Secretary of State, and has neither received a certificate of withdrawal from the Secretary of state nor had its authority revoked.

☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.

☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa and a statement of cancellation has not been filed.

☐ Yes ☐ No My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state, and has not filed a statement of termination.

☐ Yes ☐ No My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa Secretary of state that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.

☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.

☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa and the certificate has not been revoked or canceled.

POLK COUNTY CONSERVATION
FOURMILE CREEK
STORMWATER WETLAND

POLK COUNTY, IOWA
PROJECT NO. 200454.00

THE MOST RECENT EDITIONS OF THE SUDAS STANDARD SPECIFICATIONS AND IOWA DOT MATERIALS I. M.'S SHALL APPLY TO ALL WORK PERFORMED ON THIS PROJECT UNLESS OTHERWISE NOTED HEREIN.

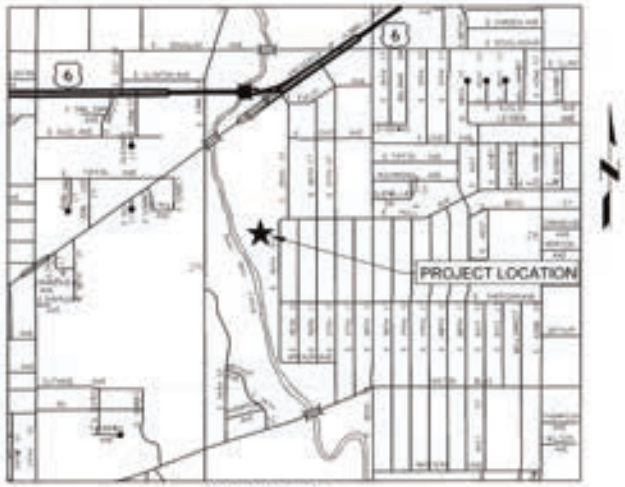
OWNER

COMPANY:	POLK COUNTY CONSERVATION BOARD
CONTACT:	RICHARD LEOPOLD
EMAIL:	PCCB_INFO@POLKCOUNTYIOWA.GOV
PHONE:	515-323-5300

CONSULTANT

COMPANY:	JEO CONSULTING GROUP, INC.
CONTACT:	MIKE HELLER
EMAIL:	MHELLER@JEO.COM
PHONE:	402-934-3680

COMPANY:	JEO CONSULTING GROUP, INC.
CONTACT:	CALEB RASMUSSEN, PE
EMAIL:	CRASMUSSEN@JEO.COM
PHONE:	712-304-1958



VICINITY MAP
NOT TO SCALE

INDEX OF SHEETS

SHEET NO:	SHEET NAME:
A.01	TITLE SHEET
A.02	LEGEND & UTILITY CONTACTS
A.03	SITE OVERVIEW
B.01-B.03	DETAILS
C.01-C.02	QUANTITIES & ESTIMATE REFERENCES
C.03	GENERAL NOTES
D.01 - D.02	DEMOLITION PLAN
D.03	GRADING PLAN
D.04	GRADING PLAN SECTIONS
G.01	BENCHMARKS & ALIGNMENTS
R.01-R.02	POLLUTION PREVENTION PLAN
R.03 - R.05	EROSION CONTROL

THIS PROJECT IS COVERED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2. THE CONTRACTOR SHALL CARRY OUT THE TERMS AND CONDITIONS OF GENERAL PERMIT NO. 2 AND THE POLLUTION PREVENTION PLAN, WHICH IS PART OF THESE CONTRACT DOCUMENTS.

NOTE:

NEITHER THE OWNER (CLIENT) NOR JEO CONSULTING GROUP, INC. ASSUMES ANY RESPONSIBILITY FOR UTILITY LOCATIONS BEING ACCURATELY SHOWN OR NOT SHOWN ON THE PLANS.

THE EXACT LOCATION AND/OR SIZE OF UNDERGROUND FEATURES MAY NOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. FIELD VERIFICATION OF UTILITIES MAY BE REQUIRED. IT IS RECOMMENDED THAT THE CONSULTANT(S) DESIGNING IMPROVEMENTS ON OR ADJACENT TO THE SITE VERIFY THE PRESENCE OF EXISTING UTILITIES WITH THE APPROPRIATE UTILITY COMPANY. CONTRACTOR(S) SHALL NOTIFY THE RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING ANY WORK.

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com

POLK COUNTY CONSERVATION

POLK COUNTY CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

TITLE SHEET

A.01

LINESTYLES

ITEM	SYMBOL
BREAK LINE	
CABLE TELEVISION	
CENTERLINE OF ROAD	
CONTOUR MINOR (EX)	1202
CONTOUR MAJOR (EX)	1200
CONTOUR MINOR (EX SCREENED)	1202
CONTOUR MAJOR (EX SCREENED)	1200
CONTOUR MINOR (PR)	1202
CONTOUR MAJOR (PR)	1200
LIMITS OF CONSTRUCTION	
CULVERT	
ELECTRIC (OVERHEAD)	OHE
ELECTRIC (UNDERGROUND)	UGE
FENCE (WOODEN)	
FENCE (WIRE OR UNKNOWN)	
FENCE (CHAINLINK)	
FENCE (SECURITY)	
FIBER OPTIC LINE	FO
FLOWLINE (BREAKLINE)	
GAS LINE	G
GUARDRAIL	
PROPERTY BOUNDARY	
PROPERTY LOT LINES (PR)	
RIGHT-OF-WAY LINE	
RAILROAD RIGHT-OF-WAY	
RAILROAD TRACKS	
RETAINING WALL	
SANITARY SEWER (EXIST)	8" SAN
SANITARY SEWER (PROP)	8" SAN
SAN SEWER FORCE MAIN (EX)	
SAN SEWER FORCE MAIN (PR)	
STORM SEWER (EXIST)	12"ST (OFFSET TO PIPE SIZE)
STORM SEWER (PROP)	12" ST (OFFSET TO PIPE SIZE)
TELEPHONE LINE (UGND)	UGT
TELEPHONE LINE (OVERHEAD)	OT
TERRACE	
CROPLINE	
TRAVELED WAY	
WATER (EXIST)	6" W
WATER (PROP)	6" W
FIRE SERVICE	

SWPPP

ITEM	SYMBOL
SILT FENCE	SF
INLET PROTECTION	
STRAW WATTLE CHECK	
STRAW BALE CHECK	
FLOW ARROW (PLAN)	
AREA INLET FILTER PROTECTION	
RIP RAP	
SEEDING	
MATTING	

PAVING FEATURES

ITEM	SYMBOL
EXISTING PAVEMENT JOINT	
TRANSVERSE JOINT	
LONGITUDINAL JOINT	
EXPANSION/KEYED JOINT	
PAVEMENT MARKING	
PAVEMENT REBAR	
HANDICAP SYMBOL	

UTILITIES

ITEM	SYMBOL
STORM SEWER	
CURB INLET	
GRATE INLET	
CATCH BASIN	
STORM SEWER MANHOLE	
SANITARY	
CLEANOUT	
SEPTIC TANK	
SANITARY MANHOLE	
POWER, ELECTRICAL, LIGHT, AND TRAFFIC	
AIR CONDITIONING UNIT	AC
ANTENNA	
ANCHOR POLE/POST	
GUY POLE	
GUY WIRE ANCHOR	
ELECTRICAL HIGHLINE TOWER (METAL OR CONCRETE)	
POWER POLE (EXISTING)	
POWER POLE (PROPOSED)	
POWER (ELEC) PEDESTAL	P
POWER (ELEC) PULL BOX OR MANHOLE	P
POWER (ELEC) METER	
LIGHT POLE	
TRAFFIC SIGNAL	
TRAFFIC SIGNAL BOX	SB
TELEVISION PEDESTAL	TV
TELEVISION MANHOLE	TV
WATER	
WATER MANHOLE	W
WATER VALVE	
WATER SHUT OFF OR CURB STOP	S
WELL	
WATER METER	W
WATER METER PIT	WM
YARD HYDRANT	YH
WATER ELEVATION	
WATER TOWER	
FIRE HYDRANT (EXISTING)	
FIRE HYDRANT (PROPOSED)	
FIRE HYDRANT IN PROFILE	
WATER FITTINGS	
11- 1/4°	
22- 1/2°	
45°	
90°	
CROSS	
PLUG	
REDUCER	
TEE	
GAS	
GAS METER	G
GAS MANHOLE	G
GAS FILL PIPE	G
GAS PUMP	
GAS VALVE	
GAS VENT	GV
TELEPHONE	
FIBER OPTICS PULL BOX	FO
TELEPHONE POLE	
TELEPHONE PULL BOX OR MANHOLE	T
TELEPHONE PEDESTAL	T
MANHOLE (NON-SPECIFIC)	
UNDERGRND STORAGE TANK	UST
VALVE (NON-SPECIFIC)	

VEGETATION

ITEM	SYMBOL
BUSH	
CONIFEROUS TREE	
DECIDUOUS TREE	
HEDGE OR BUSH ROW	
MARSH/WETLAND	
TREE MASS LINE	
TREE MASS LINE (CONIF)	
TREE STUMP	

SITE & SIGNAGE

ITEM	SYMBOL
SIGN	
BARRICADE	-
ROAD SIGNS	
COUNTY ROAD	0
INTERSTATE HIGHWAY	0
STATE HIGHWAY	0
U.S. HIGHWAY	0
MILE MARKER POST	MP
RIGHT OF WAY MARKER	R
RAILROAD CROSSING SIGNAL	RR
RAILROAD SWITCH	
FLAG POLE	
MAILBOX	
PROPANE TANK	
SATELLITE TV DISH	
WINDMILL	

CONTROL & ELEVATION

ITEM	SYMBOL
BENCHMARK	
CONTROL POINT (NON-PROPERTY)	
MONUMENT FOUND (PROPERTY)	
MONUMENT SET	
TEMPORARY POINT	
TEST BORING	
POINT ELEVATION (EXISTING)	× 0.00
POINT ELEVATION (PROPOSED)	+ 0.00 TC
GRID TICK	+

MISC FEATURES

ITEM	SYMBOL
CENTER PIVOT	
CEMETERY	
GRAVE	
CHURCH	
CAVE	
CISTERN	
LATRINE	
OIL WELL	
GUARD POST	

PAVEMENT SYMBOLS AND HATCH

ITEM	SYMBOL	HATCH
ASPHALT PAVEMENT (EX.)		
CONCRETE PAVEMENT (EX.)		
GRAVEL (EX.)		
BRICK PAVEMENT (EX.)		
ASPHALT PAVEMENT (PR.)		
CONCRETE PAVEMENT (PR.)		
GRAVEL (PR.)		
BRICK PAVEMENT (PR.)		

GENERAL

ITEM	SYMBOL
PLAN REVISION	1
NORTH ARROW	
GRAPHIC SCALE	GRAPHIC SCALE 0 10 20 40 UNIT OF MEASURE IS FEET

UTILITY CONTACTS

12" ST	DES MOINES, CITY OF SEWER STEVE JOHNSON 515-237-1359 scjohnson@dmgov.org
SAN	DES MOINES METRO WASTEWATER NICK CARTER 515-323-8135 nfcarter@dmgov.org
W	DES MOINES WATER WORKS CARLA SCHUMACHER 515-323-6227 cschumacher@dmww.com
G	MID-AMERCIAN GAS TIM DAVIS 515-242-4224 TLDavis@mldamerican.com

JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
STORMWATER WETLAND

LEGEND & UTILITY CONTACTS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454001-LGD.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95% DATE
REVISIONS	

A.02

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Pen Table Used: K:\Bentley\Resources\HP8xLEC_OpenRoads\Workspaces\Standards\tables\HpLEC_pentable.tbl
File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\S-200454001-LGD.dgn
Print Date/Time: 9/30/2021 11:58:44 AM
By: jriley

POLK COUNTY CONSERVATION FOURMILE CREEK STORMWATER WETLAND

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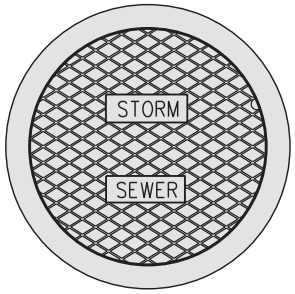
File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\S-200454-A03.dgn
Print Date/Time: 9/30/2021 11:58:54 AM By: jriley

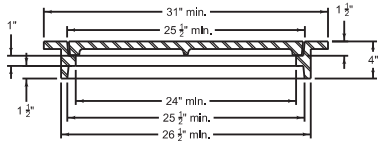
JEO CONSULTING GROUP INC

REVISION	REVISION	FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	DRAWN BY	DATE	PROJECT NO.	FILE NAME
		FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	jriley	9/30/2021	200454.00	S-200454-A03.dgn

SITE OVERVIEW **A.03**



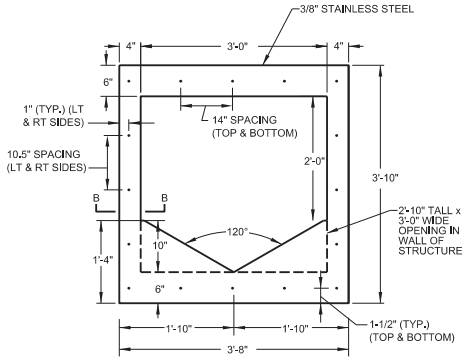
TYPE G
Two piece fixed casting



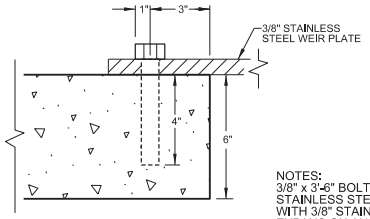
TYPICAL SECTION

COVER NOTES:
ROUGHNESS PATTERN AND TEXT STYLE MAY VARY.
MINIMUM ONE PICKHOLE.

CASTING DETAIL



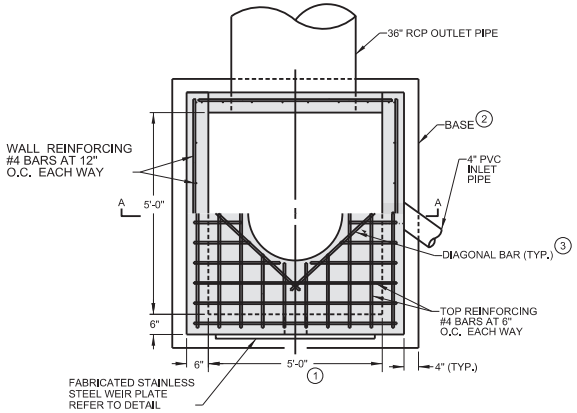
FABRICATED STAINLESS STEEL WEIR PLATE



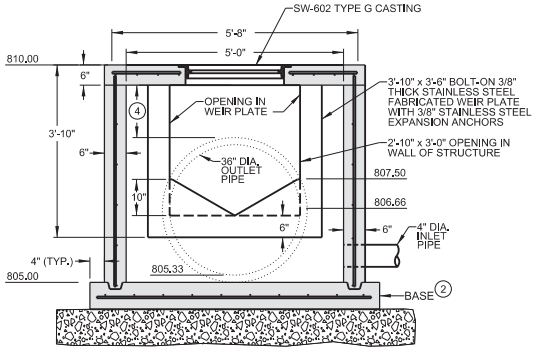
NOTES:
3/8" x 3'-6" BOLT-ON 3/8" THICK STAINLESS STEEL WEIR PLATE WITH 3/8" STAINLESS STEEL EXPANSION ANCHORS

EXPANSION ANCHORS EMBEDDED 4" INTO CONCRETE STRUCTURE WALL

SECTION B-B



PLAN



SECTION A-A

① PROVIDE 6 INCHES OF WALL WIDTH (MINIMUM) EACH SIDE OF PIPE OPENING. MINIMUM WALL WIDTH IS 36 INCHES. MAXIMUM WALL WIDTH IS 72 INCHES.

② CAST-IN-PLACE BASE SHOWN. IF BASE IS PRECAST INTEGRAL WITH WALLS, THE FOOTPRINT OF BASE IS NOT REQUIRED TO EXTEND BEYOND THE OUTER EDGE OF THE WALLS.

③ INSTALL FOUR #4 DIAGONAL BARS AT ALL PIPE OPENINGS.

④ 12" MINIMUM WALL HEIGHT ABOVE ALL PIPES.

1 OPEN-SIDED AREA INTAKE - SW-513 (MODIFIED)
NOT TO SCALE

JEO CONSULTING GROUP INC
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POLK COUNTY
CONSERVATION
FOURMILE CREEK
STORMWATER WETLAND

DETAILS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454000_DET01.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95% DATE
REVISIONS	

B.01

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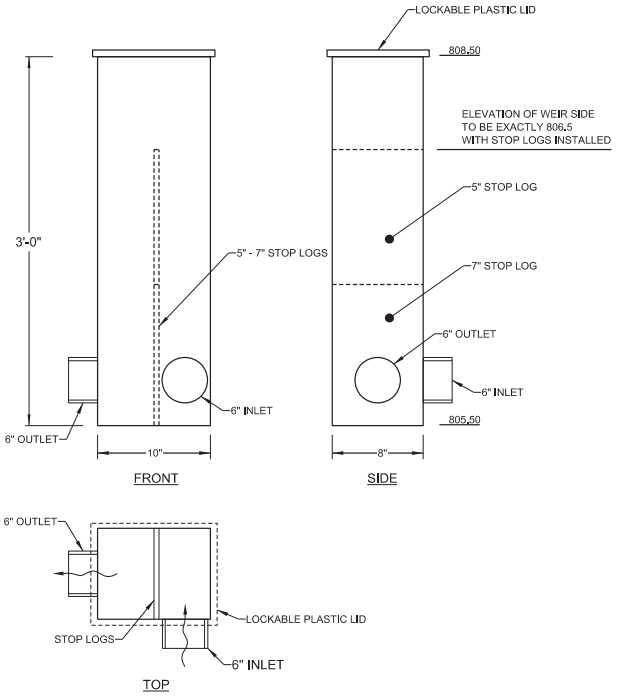
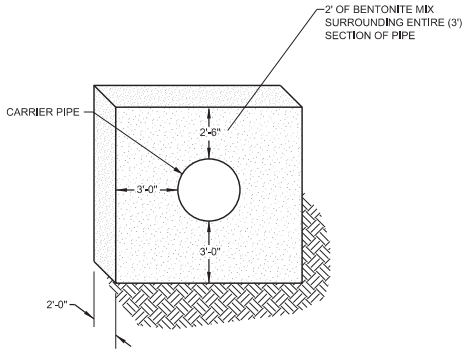
File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\S-200454002_ DET01.dgn
Print Date/Time: 9/30/2021 11:58:56 AM By: jriley

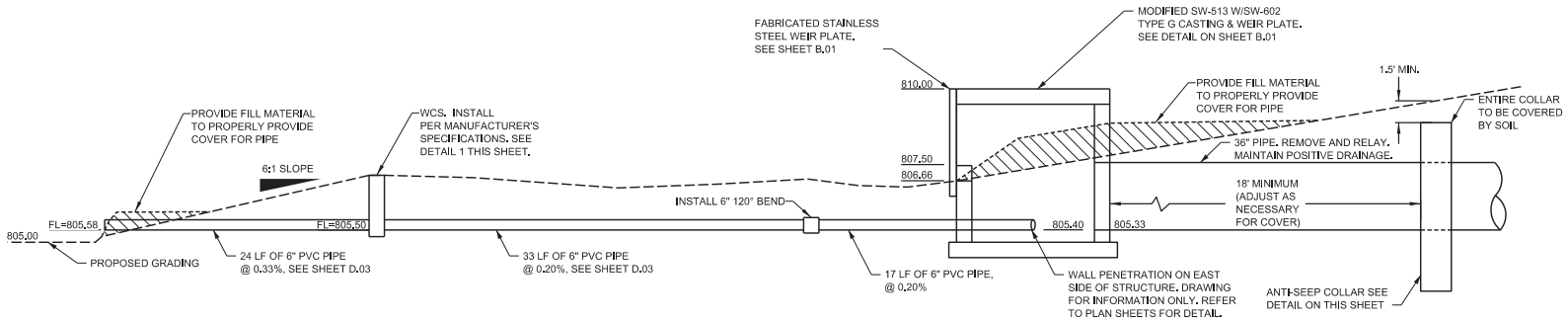


4 INLINE WATER LEVEL CONTROL STRUCTURE (WCS)
NOT TO SCALE



2 ANTI-SEEP COLLAR
NOT TO SCALE

NOTES:
1. STRUCTURE MAY BE CIRCULAR OR RECTANGULAR.
2. ALL FITTINGS SHALL BE WATER TIGHT.
3. ALL EXPOSED PLASTIC PIPE, COMPONENTS, AND APPURTENANCES SHALL BE UV RESISTANT.



3 BASIN OUTLET STRUCTURES DETAIL
NOT TO SCALE

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
STORMWATER WETLAND

DETAILS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454000_DET02.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC INI
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS	PIH INI
PLAN IN HAND DATE	PIH DATE
70 PERCENT REVIEW INITIALS	70% INI
70 PERCENT REVIEW DATE	70% DATE
95 PERCENT REVIEW INITIALS	95% INI
95 PERCENT REVIEW DATE	95% DATE
REVISIONS	

B.02

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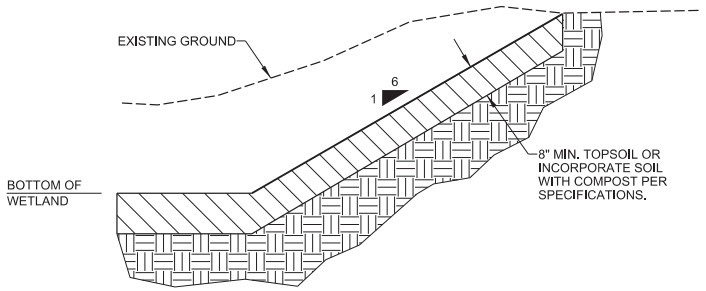
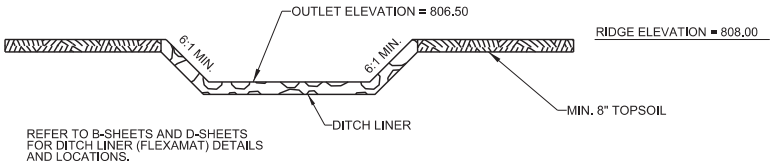
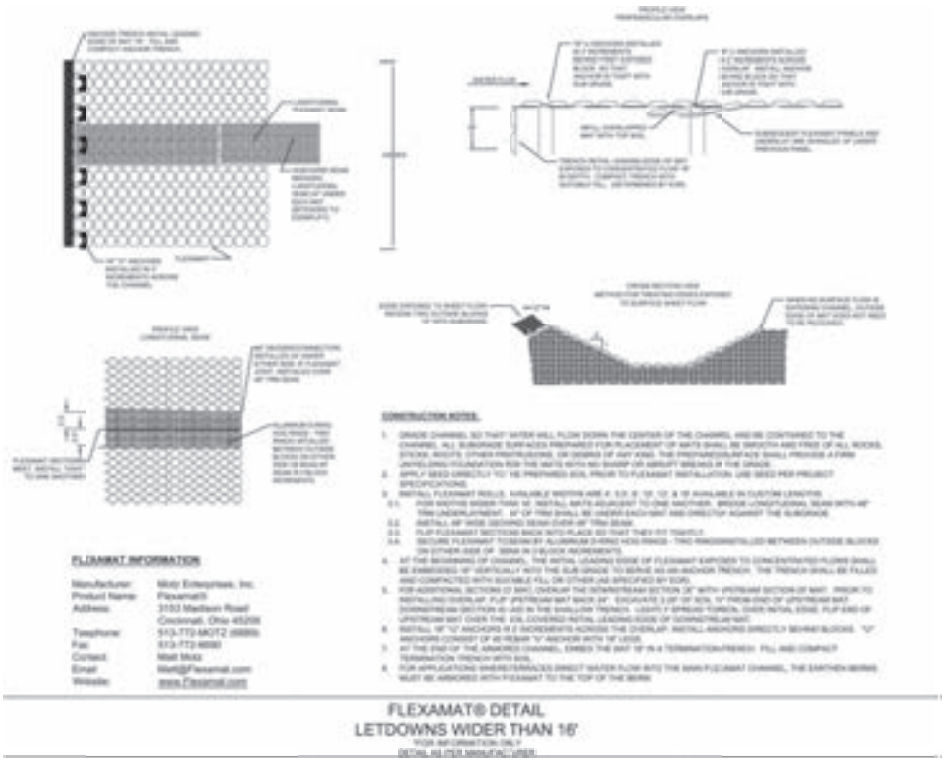
File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\S-200454002_DET02.dgn
Print Date/Time: 9/30/2021 8:58:56 AM
By: jriley



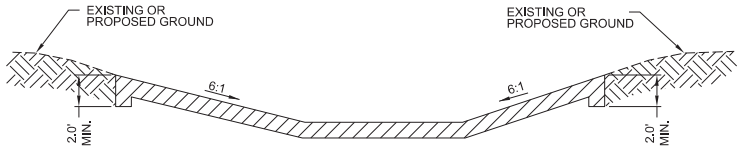
1 WETLAND GRADING TYPICAL SECTION
NOT TO SCALE



2 SETTLEMENT BASIN OUTLET DETAIL
NOT TO SCALE



3 FLEXAMAT DETAIL (LETDOWNS WIDER THAN 16')
NOT TO SCALE



NOTE:
1. CONTRACTOR TO INSTALL DITCH LINER AS PER MANUFACTURER'S DETAILS (SEE FLEXAMAT "LETDOWNS WIDER (SEE FLEXAMAT "LETDOWNS WIDER THAN 16'" DETAIL ON THIS SHEET), EXCEPT AS NOTED ABOVE.
2. SUITABLE FILL FOR ANCHOR TRENCH IS 4000 PSI CONCRETE, GROUT OR OTHER (AS APPROVED BY ENGINEER.)
3. PRIOR TO PLACING THE TIED CONCRETE BLOCK MATS, PREPARE THE SUBGRADE AS DETAILED ON THE DRAWINGS. THE AREA MUST BE CLEARED OF ROCKS AND DEBRIS 3" OR LARGER. APPLY SEED DIRECTLY TO THE OF ROCKS AND DEBRIS 3" OR LARGER. APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO INSTALLATION OF THE FLEXAMAT. USE SEED PER PROJECT SPECIFICATIONS.
4. TIED CONCRETE BLOCK MATS PLACED ADJACENT TO EACH OTHER WILL BE ZIP-TIED TOGETHER. ZIP-TIES SHALL BE SPACED A MAXIMUM OF TWO FEET ALONG MAT JOINTS.

4 TYPICAL DITCH LINER
NOT TO SCALE

JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
STORMWATER WETLAND

DETAILS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454000_DET03.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS	PIH Init
PLAN IN HAND DATE	PIH DATE
70 PERCENT REVIEW INITIALS	70% Init
70 PERCENT REVIEW DATE	70% DATE
95 PERCENT REVIEW INITIALS	95% Init
95 PERCENT REVIEW DATE	95% DATE
REVISIONS	

B.03

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File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\S-200454002_ DET03.dgn
Print Date/Time: 9/30/2021 8:58:56 AM
By: jriley

POLK COUNTY
CONSERVATION
FOURMILE CREEK
STORMWATER WETLAND

SHEET 13
07-15-07

ESTIMATED PROJECT QUANTITIES
(1 DIVISION PROJECT)

Item No.	Item Code	Item	Unit	Total	As Built Qty
	DIVISION 2	EARTHWORK			
2.01	2010-0	CLEARING AND GRUBBING	AC	4.3	
2.02	2010-0-1	TOPSOIL, ON-SITE	CY	2597	
2.03	2010-0-2	TOPSOIL, COMPOST-AMENDED	CY	513	
2.04	2010-E	EXCAVATION, CLASS 13, ROADWAY AND BORROW	CY	528	
2.05	2010-999-A	EXCAVATION, CLASS 13, WASTE	CY	10179	
2.06	2010-999-B	EXCAVATION, CLASS 13, STOCKPILE	CY	12188	
2.07	2010-999-C	EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL	CY	500	
	DIVISION 4	SEWERS AND DRAINS			
4.01	4020-A-1	STORM SEWER, TRENCHED, PVC, 6 IN. DIA	LF	74	
4.02	4020-D	REMOVAL OF STORM SEWER, RCP, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	370	
4.03	4020-999-B	STORM SEWER, REMOVE AND RESET, TRENCHED, RCP, 36 IN. DIA.	LF	60	
4.04	4020-999-C	ANTI-SEEP COLLAR	EA	1	
4.05	4030-B	PIPE APRON, RCP, 36 IN. DIA.	EA	1	
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM SEWER			
6.01	6010-A	MANHOLE, SW-401, 84 IN. DIA.	EA	1	
6.02	6010-B	INTAKE, SW-513, MODIFIED, 6.0' X 6.0'	EA	1	
6.03	6010-I	MANHOLE ADJUSTMENT, MINOR	EA	1	
6.04	6010-H	REMOVE MANHOLE	EA	1	
6.05	6010-M	REMOVE INTAKE	EA	2	
6.06	6010-999-A	WATER CONTROL STRUCTURE	EA	1	
	DIVISION 8	TRAFFIC CONTROL			
8.01	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	
	DIVISION 9	SITE WORK AND LANDSCAPING			
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)	AC	2.8	
9.02	9010-999-B	WETLAND GRASS SEEDING (INSTALL ONLY)	AC	1.5	
9.03	9040-F-1	WATTLE, STRAW, 12 IN.	LF	4255	
9.04	9040-G-1	STABILIZED CONSTRUCTION ENTRANCE	SY	257	
9.05	9040-Q-1	EROSION CONTROL MULCHING, CONVENTIONAL	AC	4.6	
9.06	9040-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING	AC	0.5	
9.07	9040-999-A	DITCH LINER	SY	2000	
9.08	9060-E	REMOVAL OF FENCE	LF	81	
	DIVISION 11	MISCELLANEOUS			
11.01	11_020-A	MOBILIZATION	LS	1	
11.02	11_999-A	TEMPORARY GRANULAR SURFACING	SY	570	

100-13
10-27-07

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
	DIVISION 2	EARTHWORK
2.01	2010-0	CLEARING AND GRUBBING ITEM IS FOR REMOVAL OF BRUSH AND TREES. MEET WITH ENVIRONMENTAL SCIENTIST TO VERIFY WITH CLEARING AND GRUBBING LIMITS. CONTRACTOR SHALL MAKE A SITE VISIT BEFORE BIDDING TO IDENTIFY TREE CLEARING REQUIREMENTS. TREES AND BRUSH SHALL BE PROPERLY DISPOSED. SOME CLEARED TREES MAY BE USED AS PART OF THE WETLAND CONSTRUCTION AND CONTRACTOR SHALL BE WITH ENVIRONMENTAL SCIENTIST TO CONFIRM ANY USEAGE OF TREES IN THE PROJECT PRIOR TO REMOVAL OF TREES AND BRUSH. BID ITEM INCLUDES ANY CLEARING AND GRUBBING REQUIRED FOR HAUL ROUTES AND SITE ACCESS. REMOVAL OF DISPOSAL OF MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. ALL TREES SHALL BE CUT BETWEEN OCTOBER 1 AND MARCH 31. INCLUDES THE REMOVAL AND DISPOSAL OF JAPANESE KNOTWEED.
2.02	2010-0-1	TOPSOIL, ON-SITE
2.03	2010-0-2	TOPSOIL, COMPOST-AMENDED
2.04	2010-E	EXCAVATION, CLASS 13, ROADWAY & BORROW
2.05	2010-999-A	EXCAVATION, CLASS 13, WASTE
2.06	2010-999-B	EXCAVATION, CLASS 13, STOCKPILE QUANTITY PAID SMALL BE PLAN QUANTITY AS NO FIELD MEASUREMENTS WILL BE MADE. QUANTITY INCLUDES THE TOTAL CUT YILL, AND WASTE NECESSARY TO ACHIEVE THE DESIRED GRADES AS OUTLINED IN THE PLANS. BIDDER SHALL SATISFY THEMSELVES FOR ALL CONDITIONS FOR EARTHWORK REQUIREMENTS FOR SITE AND SOIL CONDITIONS AND QUALITY AS FLOODPLAIN LOAM/ SOIL, CLAY SOILS GLACIAL TILL, AND DEBRIS MAY BE ENCOUNTERED. UNIT PRICE INCLUDES EXCAVATING, HAULING, DEPOSITING, COMPACTING, AND GRADING. FILL QUANTITIES INCLUDE ASSUMED 30% SHRINK FACTOR. STOCKPILE LOCATIONS CAN BE FOUND ON SHEET A.04. GRADING AROUND EXISTING INFRASTRUCTURE AND EXCAVATION TO KEY- IN FLEXMAT IS INCIDENTAL. WORK FOR PHASE 1 OF PLANSET "FOURMILE CREEK ROADWAY REMOVAL" IS TO OCCUR AT THE SAME TIME AS THIS PROJECT IS BEING EXECUTED. IF POCKETS OF SAND ARE ENCOUNTERED AT THE BOTTOM OF EXCAVATION THE CONTRACTOR IS TO OVER-EXCAVATE THE UNSUITABLE/UNSTABLE MATERIAL AND REPLACE IT WITH OTHER SUITABLE SOIL ON-SITE. TYPE A COMPACTION IS TO BE IMPLEMENTED FOR THE DIVERSION DIKE. REFER TO SUDAS STANDARD SPEC 2010.3.04. CLASS 13 WASTE AND STOCKPILE IS TO BE MEASURED AND PAID BY THE CUBIC YARD. TOTAL CUT: 25,402 CY TOTAL FILL: 528 CY TOPSOIL, ON-SITE: 2,597 CY (STRIPPED AT 5.0", PLACED AT 5.0") TOPSOIL, COMPOST-AMENDED: 513 CY (PLACED AT 1.0" THICK, INCORPORATED INTO THE TOP 3.0" OF TOPSOIL) UNSUITABLE OR UNSTABLE MATERIAL: 500 CY SOIL NEEDED TO COMPLETE PHASE 1 OF ROADWAY REMOVAL: 4,468 CY SOIL IN STOCKPILE: 7,720 CY (INCLUDES 2,000 CY FOR FUTURE CONSTRUCTION) WASTE: 10,179 CY
2.07	2010-999-C	EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL FINAL QUANTITY PAID SHALL BE MEASURED IN THE FIELD BY ENGINEERS REPRESENTATIVE WITH THE CONTRACTOR PRESENT. QUANTITY SHALL BE BASED ON THE MEASURED AREA X 2 FOOT OF OVER EXCAVATION. THIS INCLUDES REPLACING UNSUITABLE MATERIAL WITH COHESIVE SOILS WHICH IS RELATIVELY FREE OF SAND. ENGINEER SHALL DESIGNATE APPROPRIATE MATERIAL TO BE FROM ON SITE EXCAVATION. MATERIAL OVER EXCAVATED SHALL NOT BE HAULED TO THE STOCKPILE LOCATION, BUT SHALL BE WASTED AS PART OF CLASS 13 WASTE.
	DIVISION 4	SEWERS AND DRAINS
4.01	4020-A-1	STORM SEWER, TRENCHED, CSMP, 6 IN. DIA REFER TO D.01 FOR LOCATIONS AND DETAILS. FURTHER INFORMATION ALSO LAID OUT IN D.02. REFER TO STANDARD DETAIL SW-132 FOR RCP PIPE BEDDING. ALL SWR PIPE SHALL HAVE WATER TIGHT JOINTS AND UV LIGHT RESISTANT MATERIAL. INCLUDES ALL INSTALLATION OF ALL JOINTS, FITTINGS, AND APPURTENANCES.
4.02	4020-D	REMOVAL OF STORM SEWER, RCP, LESS THAN OR EQUAL TO 36 IN. DIA. REFER TO D.01 AND D.02 FOR LOCATIONS AND DETAILS. CONTRACTOR IS RESPONSIBLE FOR LOADING, TRANSPORTING, AND DISPOSING OF EXCESS RCP, STRUCTURES, AND DEBRIS FROM THE SITE.
4.03	4020-999-B	STORM SEWER, REMOVE AND RESET, TRENCHED, RCP, 36 IN. DIA. REFER TO SHEET D.03 FOR LOCATIONS AND DETAILS. INCLUDES ALL MATERIALS AND LABOR FOR UNCOVERING, REMOVING, PREPARING RCP, MODIFYING PIPE TRENCH, AND PLACING RCP STORM SEWER. FILL MATERIAL NECESSARY FOR PIPE TRENCH MODIFICATION SHALL BE CLASS 1 MATERIAL.
4.04	4020-999-C	ANTI-SEEP COLLAR REFER TO SHEET D.03 FOR LOCATIONS AND DETAILS. REINFORCEMENT SHALL BE EITHER #4 IN GRANULAR OR CHOP FORM, WITH A MAXIMUM NOMINAL SIZE OF 3/8" MIXED WITH NO MORE THAN 40% SAND (CSI). THE ANTI-SEEP COLLAR SHALL EXTEND AT LEAST 6 INCHES BEYOND THE STANDARD PIPE TRENCH. PLACEMENT OF THE COLLAR SHALL NOT BE WITHIN 2 FEET OF A PIPE JOINT. INCLUDES ALL MATERIALS AND LABOR NECESSARY FOR INSTALLATION. METHOD OF MEASUREMENT: ANTI-SEEP COLLAR SHALL BE MEASURED AND PAID FOR EACH COLLAR INSTALLED.
4.05	4030-B	PIPE APRON, RCP, 36 IN. DIA. PIPE APRON SHALL BE EITHER TYPE 1 OR 2 IN ACCORDANCE WITH STANDARD DETAIL 4030.222.APRON GUARDS AND CONCRETE FOOTINGS ARE INCIDENTAL TO THIS ITEM. REFER TO SHEET D.03 FOR LOCATIONS AND ELEVATIONS. REFER TO STANDARD DETAIL 4030.221 AND 4030.224 FOR APRON FOOTING AND GUARD REQUIREMENTS.

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Print Date/Time: 9/30/2021 8:58:19 AM By: jriley

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Print Date/Time: 9/30/2021 11:58:17 AM
By: jriley

1246—21
10-19-21

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
	DIVISION 6	**STRUCTURES FOR SANITARY AND STORM SEWER**
6.01	6010-A	MANHOLE, SW-401, 36 IN. DIA.
6.02	6010-B	INTAKE, SW-513, MODIFIED, 6.0' X 6.0' REFER TO D.01 FOR LOCATIONS AND DETAILS. INCLUDES ALL MATERIALS AND LABOR FOR THE INSTALLATION, INCLUDING WEIR PLATE, CASTING, BEDDING, AND PIPE CONNECTIONS. WEIR PLATE, BOLTS, AND ANCHORS SHALL BE STAINLESS STEEL, REFER TO SHEET B.01. BEDDING MATERIAL SHALL BE CLASS I MATERIAL AND EXTEND 1 FOOT BEYOND THE BASE OF THE STRUCTURE. PIPES SHALL BE GROUTED INPLACE, NOT TO PROTRUDE MORE THAN 3 INCHES INTO THE STRUCTURE.
6.04	6010-F	REMOVE MANHOLE
6.05	6010-H	REMOVE INTAKE
6.06	6010-H	REFER TO D.01 AND D.02 FOR LOCATIONS AND DETAILS.
6.07	6010-999-A	WATER CONTROL STRUCTURE PRODUCT SHALL BE INLINE WATER LEVEL CONTOL STRUCTURE BY AGRI DRAIN OR ENGINEER APPROVED EQUAL. PRODUCT SHALL BE MANUAL OPERATED. WATER CONTROL STRUCTURE SHALL INCLUDE WATERTIGHT DUPLINGS, REMOVABLE STOPLOGS, AND STOPLOG REMOVAL TOOL. INSTALL PER MANUFACTURER'S INSTRUCTIONS. METHOD OF MEASUREMENT: WATER CONTROL STRUCTURE SHALL BE MEASURED AND PAID PER EACH STRUCTURE INSTALLED. BASIS OF PAYMENT: PAYMENT SHALL BE THE CONTRACT UNIT PRICE FOR EACH WATER CONTROL STRUCTURE UNIT INSTALLED. THIS SHALL BE CONSIDERED FULL COMPENSATION FOR FURNISHING ALL TOOLS, EQUIPMENT, LABOR, AND MATERIALS
	DIVISION 8	**TRAFFIC CONTROL**
8.01	8030-A	TEMPORARY TRAFFIC CONTROL REFER TO C.03 FOR ADDITIONAL NOTES ON TRAFFIC CONTROL.
	DIVISION 9	**SITE WORK AND LANDSCAPING**
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)
9.02	9010-999-B	WETLAND GRASS SEEDING (INSTALL ONLY) PREPARE AND SEED ACCORDING TO SUDAS SPECIFICATION 9010. SEED WILL BE SUPPLIED BY THE CONTRACTING AUTHORITY. MEASUREMENT AND PAYMENT WILL BE IN ACCORDANCE WITH SUDAS SPECIFICATION 9010.
9.03	9040-F-1	WATTLE, STRAW, 12 IN. REFER TO B.03 FOR LOCATION DETAILS. REMOVAL NOT NEEDED.
9.04	9040-S-1	STABILIZED CONSTRUCTION ENTRANCE REFER TO SUDAS STANDARD FIGURE 9040.120 FOR INSTALLATION DETAILS. REFER TO SHEET B.03 FOR LOCATION DETAILS. BID ITEM INCLUDES CLEANING ADJACENT PAVEMENT AND INSTALLING ADDITIONAL MATERIAL TO MAINTAIN FUNCTIONALITY. REMOVAL OF STABILIZED CONSTRUCTION ENTRANCE IS INCIDENTAL TO THIS ITEM.
9.05	9040-Q-1	EROSION CONTROL MULCHING, CONVENTIONAL
9.06	9040-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING REFER TO THE R SHEETS FOR LOCATIONS AND DETAILS. THE CONVENTIONAL MULCHING IS TO BE STRAW MULCH AND WILL BE USED IN THE AREA OF THE WETLAND. THE HYDROMULCHING IS TO BE A BONDED FIBER MATRIX AND USED TO PROTECT THE STOCKPILE.
9.07	9040-999-A	DITCH LINER PRODUCT SHALL BE FLEXAMAT OR ENGINEER APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS. REFER TO R-SHEETS FOR DETAILS. REFER TO D-SHEETS FOR LOCATIONS AND DIMENSIONS. OVERLAP OF FLEXAMAT AS REQUIRED BY INSTALLATION DOES NOT CONSTITUTE ADDITIONAL PAYMENT OF THE OVERLAP AREAS. UNIT PRICE INCLUDES, BUT IS NOT LIMITED TO, THE EXCAVATION TO CONFORM TO SPECIFIED GRADES, SUBGRADE AND SEEDBED PREPARATION, SPECIFIED MATTING, FINISH GRADING AND TOPSOIL RESPREADING ALONG PERIMETER, AND ASSOCIATED WORK. METHOD OF MEASUREMENT: FLEXAMAT SHALL BE MEASURED FOR EACH SQUARE FOOT OF FLEXAMAT INSTALLED AS MEASURED ON THE SURFACE. ADDITIONAL FOOTAGE REQUIRED FOR SEAMS AND OVERLAPS ARE INCIDENTAL TO THE ITEM AND WILL NOT BE MEASURED FOR PAYMENT. BASIS OF PAYMENT: PAYMENT SHALL BE THE CONTRACT UNIT PRICE FOR EACH SQUARE FOOT OF INSTALLED FLEXAMAT AS MEASURED ON THE SURFACE. THIS SHALL BE CONSIDERED FULL COMPENSATION FOR FURNISHING ALL TOOLS, EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO INSTALL FLEXAMAT FOR THE PLANS AND MANUFACTURER'S INSTRUCTIONS.
9.08	9060-I	REMOVAL OF FENCE REFER TO SHEET D.001 FOR LOCATION DETAILS.
	DIVISION 11	**MISCELLANEOUS**
11.01	11_020-A	MOBILIZATION
11.02	11_999-A	TEMPORARY GRANULAR SURFACING THIS BID ITEM INCLUDES THE LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO INSTALL AND MAINTAIN THE TEMPORARY GRANULAR SURFACING AT A DEPTH OF 6-INCHES WHERE SHOWN IN THE D AND R-SHEETS. USE CLASS "A" CRUSHED STONE. THIS ITEM IS MEASURED AND PAID FOR BY THE SQUARE YARD OF TEMPORARY GRANULAR SURFACING ORIGINALLY INSTALLED. AREAS OF REPAIR WILL NOT BE MEASURED AND PAID FOR SEPARATELY.

CLEARING, GRUBBING, GRADING & EMBANKMENT

ALL LIGHT POLES, UTILITIES, MAILBOXES, AND TREES SHALL BE PROTECTED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL NOTIFY THE ENGINEER AND DISCUSS ANY ITEMS THAT MAY NEED TO BE PRESERVED AND PROTECTED FROM CLEARING AND GRUBBING. SUCH PRESERVATION SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.

ALL HOLES RESULTING FROM OPERATIONS OF CONTRACTOR, INCLUDING REMOVAL OF GUARDRAIL POSTS, FENCE POSTS, UTILITY POLES, SOIL BORINGS, ETC. SHALL BE FILLED AND COMPACTED TO FINISHED GRADE AS DIRECTED BY ENGINEER TO PREVENT FUTURE SETTLEMENT. VOIDS SHALL BE FILLED AS SOON AS PRACTICAL, PREFERABLY THE DAY CREATED BUT NO LATER THAN THE FOLLOWING DAY. ANY PORTION OF THE RIGHT-OF-WAY OR PROJECT LIMITS (INCLUDING BORROW AREAS AND OPERATION SITES) DISTURBED BY ANY CONSTRUCTION WORK SHALL BE RESTORED TO AN ACCEPTABLE CONDITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS IN THE PROJECT. ANY HOLES OR TRENCHES THAT ARE OPEN AT THE END OF THE DAY'S WORK MUST BE FENCED WITH SAFETY FENCE (INCIDENTAL).

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIAL (EXCAVATED MATERIAL, BROKEN CONCRETE, VEGETATION OR PAVEMENTS) WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED ON THIS PROJECT. NO PAYMENT FOR OVERHAUL OR DUMPING FEES WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES. NO MATERIAL WILL BE PLACED WITHIN THE PROPERTY, UNLESS SPECIFICALLY STATED IN THE PLANS OR APPROVED BY THE ENGINEER.

CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM ANY PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

CONTRACTOR SHALL CONFINE THEIR GRADING OPERATIONS TO THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS UNLESS AUTHORIZED BY THE ENGINEER TO DO OTHERWISE. CONTRACTOR SHALL COMPENSATE PROPERTY OWNER FOR DAMAGES WHICH THEY CAUSE OUTSIDE AUTHORIZED LIMITS. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PRESERVE AND PROTECT ANY FENCES AND TREES, WITHIN THE CONSTRUCTION LIMITS, WHICH MAY BE REQUIRED TO REMAIN BY THE OWNER. CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS.

IF CONTRACTOR FAILS TO CONTROL EROSION, POLLUTION AND/OR SILTATION, OWNER RESERVES THE RIGHT TO EMPLOY OUTSIDE ASSISTANCE TO PROVIDE THE NECESSARY CORRECTIVE MEASURES. SUCH INCURRED COSTS PLUS PROJECT ENGINEERING COSTS WILL BE CHARGED TO THE CONTRACTOR, AND APPROPRIATE DEDUCTIONS WILL BE MADE FROM THE CONTRACTOR'S MONTHLY PROGRESS ESTIMATE. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CONTRACTOR SHALL PARK OR SERVICE VEHICLES AND EQUIPMENT IN THE DESIGNATED STAGING AREA. ALL MATERIALS SHALL BE STORED IN THE STAGING AREA AS WELL.

UTILITIES - GENERAL

LOCATIONS OF BURIED UNDERGROUND FACILITIES ARE APPROXIMATE. ENGINEER DOES NOT WARRANT, EITHER EXPRESSLY OR BY IMPLICATION, THE ACCURACY OF THE LOCATIONS SHOWN. EXACT LOCATION AND ELEVATION OF ALL UTILITIES SHALL BE DETERMINED BY CONTRACTOR AT THE TIME OF CONSTRUCTION. IT SHALL BE THE DUTY OF CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY BE PRESENT. ENGINEER MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL UTILITIES IN THE AREA.

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF THE ACTUAL STARTING DATE OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH EACH COMPANY THE ACTUAL UTILITY LOCATION IN THE FIELD AND WHICH UTILITY LINES MUST BE ADJUSTED. CONTRACTOR SHALL USE CAUTION IN WORKING NEAR ALL UTILITY LINES. UTILITIES DAMAGED DUE TO THE OPERATIONS OF THE CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.

CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETE.

TRENCH, BACKFILL & TUNNELING

CONTRACTOR SHALL SUBMIT GRADATION REPORTS FOR FILL AND BEDDING MATERIALS PRIOR TO USE IN THE PROJECT.

CONTRACTOR SHALL LIMIT THE LENGTH OF OPEN TRENCH AT ANY GIVEN TIME. NO MORE THAN APPROXIMATELY 300 FEET OF OPEN TRENCH WILL BE ALLOWED PRIOR TO BACKFILLING. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM COUNTY FOR VARIANCES FROM THIS OPEN TRENCH REQUIREMENT.

COMPACTION TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

TEMPORARY TRAFFIC CONTROL AND SAFETY

ALL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION.

IT SHALL BE CONTRACTOR'S RESPONSIBILITY FOR PROPER BARRICADING AND ADEQUATE PROTECTION OF ALL OPEN TRENCHES AND OTHER EXCAVATIONS. OBSTRUCTIONS, SUCH AS MATERIAL PILES AND EQUIPMENT, SHALL BE PROVIDED WITH WARNING SIGNS, BARRICADES AND LIGHTS. ALL BARRICADES AND OBSTRUCTIONS SHALL BE ILLUMINATED BY MEANS OF WARNING LIGHTS FROM SUNSET TO SUNRISE OR WHEN ANY OTHER LOW LIGHT CONDITIONS EXIST. MATERIAL STORED UPON OR ALONGSIDE PUBLIC STREETS SHALL BE SO PLACED AND THE WORK SHALL AT ALL TIMES BE SO CONSTRUCTED AS TO CAUSE THE MINIMUM OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC AND TO LOCAL RESIDENTS.

CONTRACTOR SHALL MAINTAIN AT LEAST ONE (1) ACCESS TO ALL BUSINESSES, INDUSTRIES AND RESIDENCES DURING NORMAL WORKING HOURS BY STAGING WORK ACCORDINGLY. COORDINATE CONSTRUCTION AT PRIVATE PROPERTY WITH THE OWNER AND THE ENGINEER.

CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING APPLICABLE SAFETY REQUIREMENTS (LOCAL, STATE, AND FEDERAL) AND IS RESPONSIBLE FOR MEETING THOSE REQUIREMENTS.

GENERAL

ALL CONSTRUCTION IS SUBJECT TO OBSERVATION BY ENGINEER AND/OR OWNER. CONTRACTOR SHALL NOTIFY ENGINEER, OWNER, AND UTILITY COMPANIES 1 WEEK PRIOR TO START OF CONSTRUCTION.

ALL CONSTRUCTION METHODS, PROCEDURES AND MATERIALS PROPOSED TO BE USED FOR THIS PROJECT SHALL COMPLY WITH THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS), 2020 EDITION. ANY ALTERNATE PROPOSED TO BE USED BY CONTRACTOR SHALL BE APPROVED BY POLK COUNTY CONSERVATION AND ENGINEER PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS FROM COUNTY OR CITY OF DES MOINES, AS APPLICABLE, PRIOR TO ANY CONSTRUCTION WITHIN THE PROPERTY BOUNDARY.

IN EVENT OF A DISCREPANCY BETWEEN DETAILED PLANS AND ESTIMATE OF QUANTITIES, THE DETAILED PLANS SHALL GOVERN.

CONTRACTOR SHALL REQUEST CONSTRUCTION STAKES FROM ENGINEER AT LEAST 48 HOURS BEFORE THE TIME THEY WISH TO COMMENCE CONSTRUCTION OPERATIONS ENGINEER WILL FURNISH ONE SET OF CONSTRUCTION STAKES. COST OF ANY RESTAKING OR ADDITIONAL GRADE STAKES ORDERED BY CONTRACTOR WILL BE INVOICED TO THE CONTRACTOR BY THE ENGINEER.

IF ARCHAEOLOGICAL REMAINS ARE UNCOVERED ON THE PROJECT, CONTRACTOR WILL NOTIFY ENGINEER IMMEDIATELY.

CONTRACTOR SHALL CONFINE WORK TO DISTURBED AREAS SHOWN IN THE PLANS.

THE CONTRACTOR IS EXPECTED TO HAVE MATERIALS, EQUIPMENT AND LABOR AVAILABLE ON A DAILY BASIS TO INSTALL AND MAINTAIN EROSION CONTROL FEATURES ON THIS PROJECT. THIS MAY INVOLVE SEEDING, SILT FENCE OR SILT DIKES. IF CONTRACTOR FAILS TO CONTROL EROSION, POLLUTION AND/OR SILTATION, OWNER RESERVES THE RIGHT TO EMPLOY OUTSIDE ASSISTANCE TO PROVIDE THE NECESSARY CORRECTIVE MEASURES. SUCH INCURRED COSTS PLUS PROJECT ENGINEERING COSTS WILL BE CHARGED TO THE CONTRACTOR, AND APPROPRIATE DEDUCTIONS WILL BE MADE FROM THE CONTRACTOR'S MONTHLY PROGRESS ESTIMATE.

BASE WATERFLOW MANAGEMENT IS INCIDENTAL TO THE PROJECT. A PLAN WILL BE PROVIDED BY THE CONTRACTOR AT THE PRECONSTRUCTION MEETING.

STORM SEWERS & DRAINS

STORM SEWER GRAVITY LINES SHALL BE REINFORCED CONCRETE PIPE UNLESS OTHERWISE INDICATED IN ESTIMATE OF QUANTITIES.

IF ABANDONED STORM SEWER SERVICE LINES CANNOT BE REMOVED THEN THEY SHALL BE PLUGGED/FILLED WITH FLOWABLE FILL OR CONTROLLED LOW STRENGTH MATERIAL. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF PROJECT UNLESS OTHERWISE INDICATED IN THE ESTIMATE OF QUANTITIES.

REMOVE AND REPLACE EXISTING DRAIN TILES AS NECESSARY FOR CONSTRUCTION WITH NEW PIPE OF THE SAME SIZE AND MATERIAL. CONTRACTOR IS TO USE DUE CAUTION IN WORKING OVER AND AROUND ALL TILE LINES. BREAKS IN A TILE LINE DUE TO CONTRACTOR'S OPERATIONS ARE TO BE REPAIRED AND/OR REPLACED AT CONTRACTOR'S EXPENSE WITHOUT COST TO THE OWNER OR THE ENGINEER.

CONNECTIONS OF PIPES (BOTH SIMILAR AND DIFFERING MATERIALS) SHALL BE MADE USING MANUFACTURED CONNECTIONS (I.E. HYMAX OR OWNER APPROVED EQUIVALENT). CONNECTIONS BETWEEN EXISTING AND NEW PIPES SHALL BE IN ACCORDANCE WITH SUDAS FIGURE 4020.211, TYPE PC-2.

WORK HOURS

CONTRACTOR SHALL NOT WORK OUTSIDE OF THE FOLLOWING TIME RESTRICTIONS:
MONDAY THRU FRIDAY: 7:00 AM TO 9:00 PM
SATURDAY: 7:00 AM TO 6:00 PM
SUNDAY: 9:00 AM TO 6:00 PM

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

GENERAL NOTES

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-20045400-NOTES.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS	PIH Init
PLAN IN HAND DATE	PIH DATE
70 PERCENT REVIEW INITIALS	70% Init
70 PERCENT REVIEW DATE	70% DATE
95 PERCENT REVIEW INITIALS	95% Init
95 PERCENT REVIEW DATE	95% DATE
REVISIONS	

C.03

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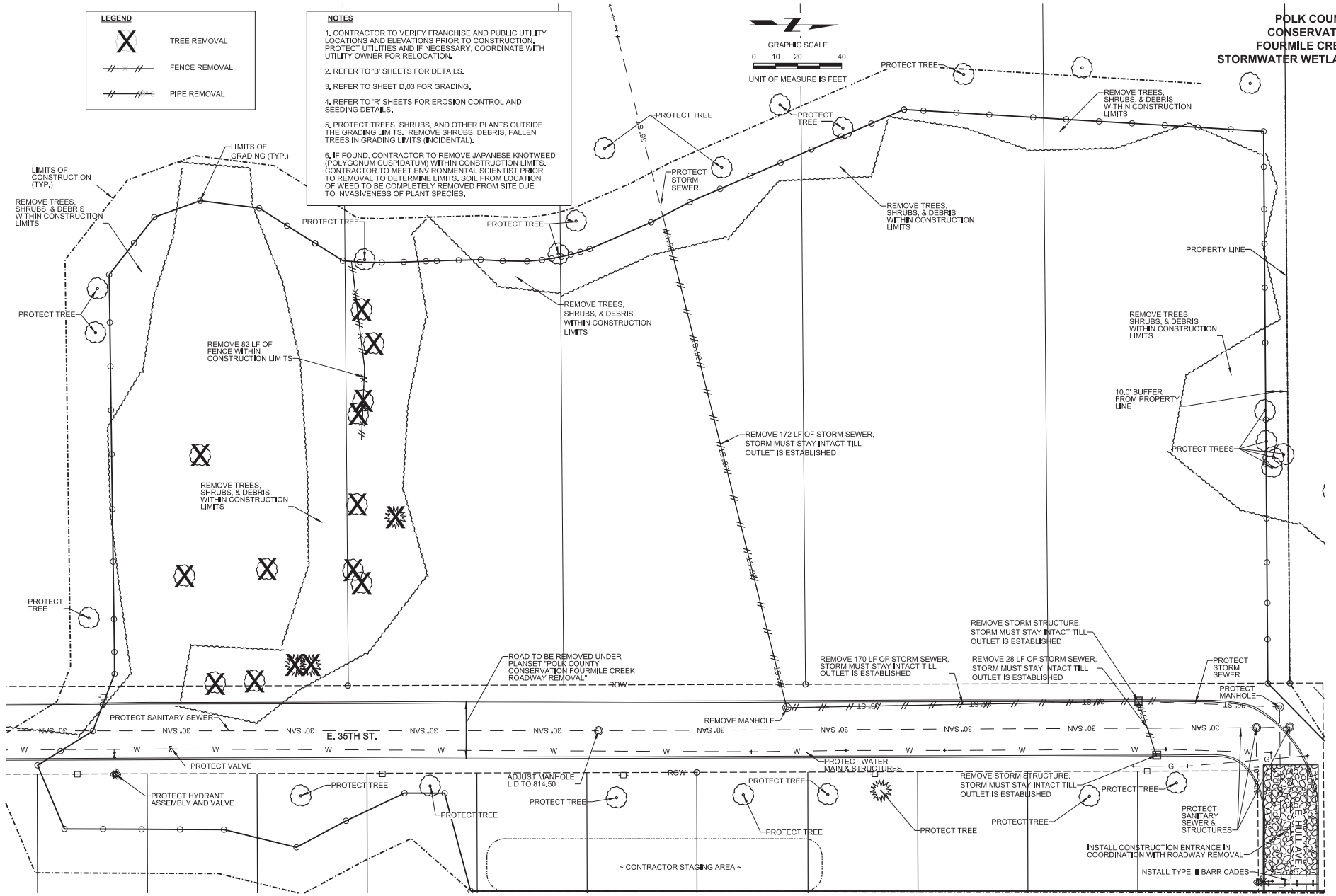
File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\S-20045400-NOTES.dgn
Print Date/Time: 9/30/2021 8:58:22 AM By: jriley



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REVISION	REVISION	FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	DRAWN BY	DATE	PROJECT NO.	FILE NAME
		FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	jriley	9/30/2021	200454.00	S-20045400-REM01.dgn

DEMOLITION PLAN D.01

NOTES

1. CONTRACTOR TO VERIFY FRANCHISE AND PUBLIC UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. PROTECT UTILITIES AND IF NECESSARY, COORDINATE WITH UTILITY OWNER FOR RELOCATION.

2. REFER TO 'B' SHEETS FOR DETAILS.

3. REFER TO SHEET D.03 FOR GRADING.

4. REFER TO 'R' SHEETS FOR EROSION CONTROL AND SEEDING DETAILS.

5. PROTECT TREES, SHRUBS, AND OTHER PLANTS OUTSIDE THE GRADING LIMITS. REMOVE SHRUBS, DEBRIS, FALLEN TREES IN GRADING LIMITS (INCIDENTAL).

6. FINAL LOCATION OF THE HAUL ROUTE AND STOCKPILE TO BE APPROVED BY THE ENGINEER BEFORE COMPLETED. TREES TO BE CLEARED AND GRUBBED IN THIS ARE ARE TO APPROVED BY THE ENGINEER BEFORE REMOVAL.

7. IF FOUND, CONTRACTOR TO REMOVE JAPANESE KNOTWEED (POLYGONUM CUSPIDATUM) WITHIN CONSTRUCTION LIMITS. CONTRACTOR TO MEET ENVIRONMENTAL SCIENTIST PRIOR TO REMOVAL TO DETERMINE LIMITS. SOIL FROM LOCATION OF WEED TO BE COMPLETELY REMOVED FROM SITE DUE TO INVASIVENESS OF PLANT SPECIES.

8. CONTRACTOR RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS FOR TEMPORARY ACCESS.

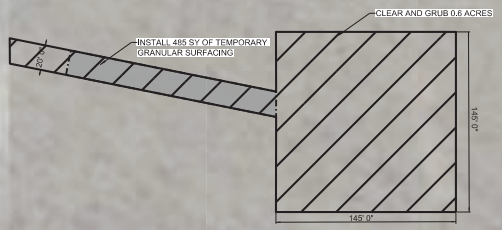
LEGEND

X TREE REMOVAL

FENCE REMOVAL

PIPE REMOVAL

E 42ND ST



POLK COUNTY CONSERVATION FOURMILE CREEK STORMWATER WETLAND

GRAPHIC SCALE
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UNIT OF MEASURE IS FEET

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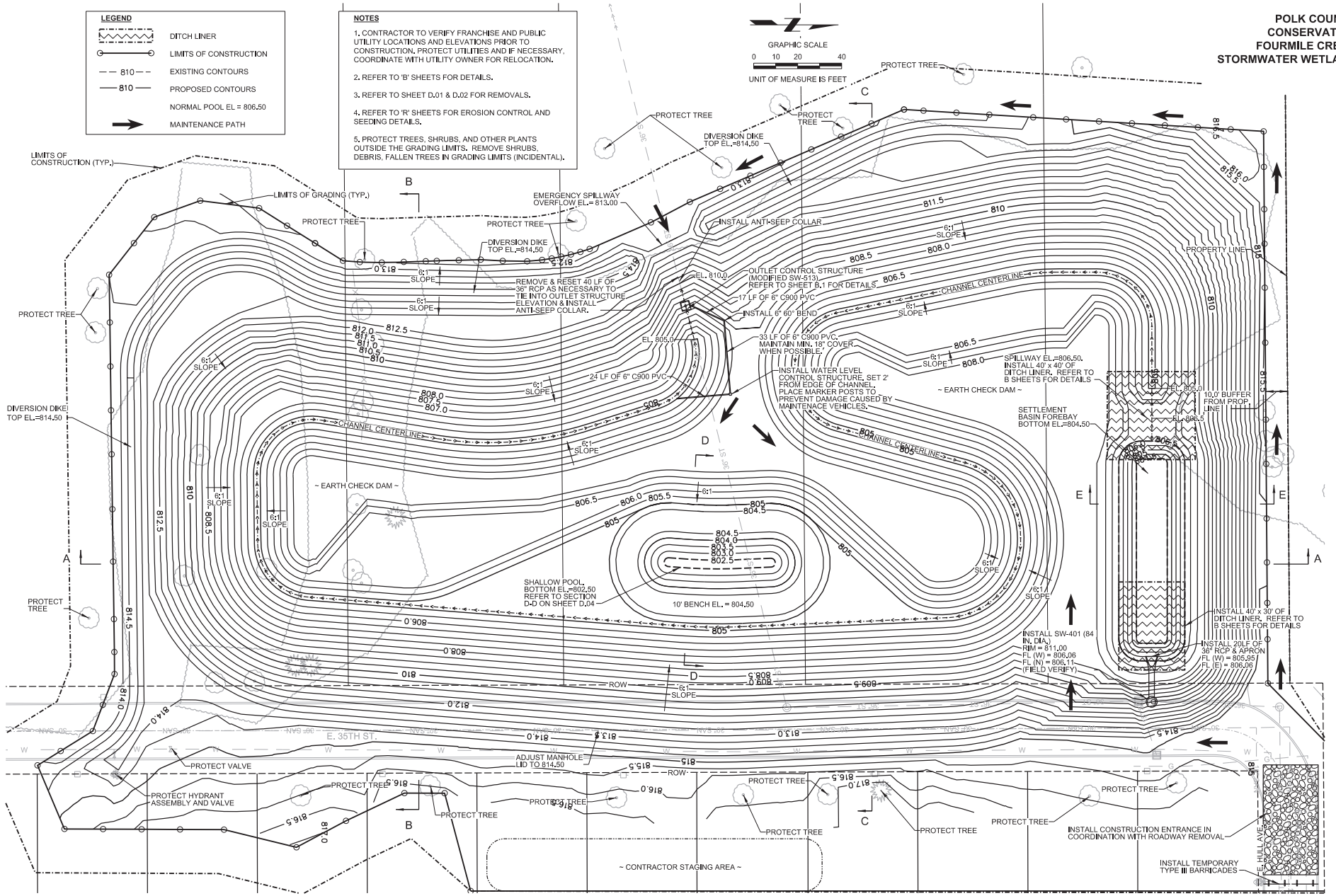
		FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	jriley	9/30/2021	200454.00	S-20045400-REM02.dgn

DEMOLITION PLAN **D.02**



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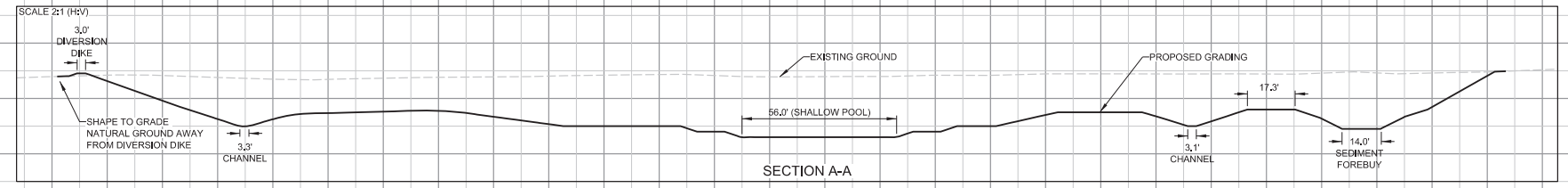
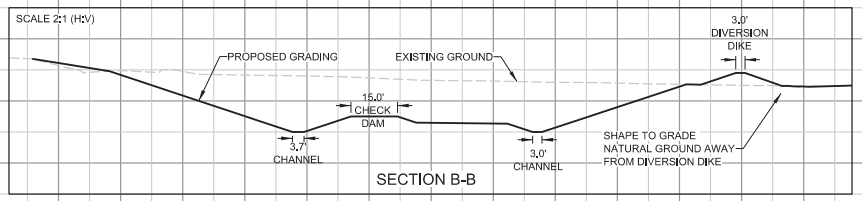
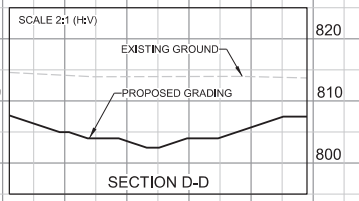


SECTION A-A



SECTION B-B



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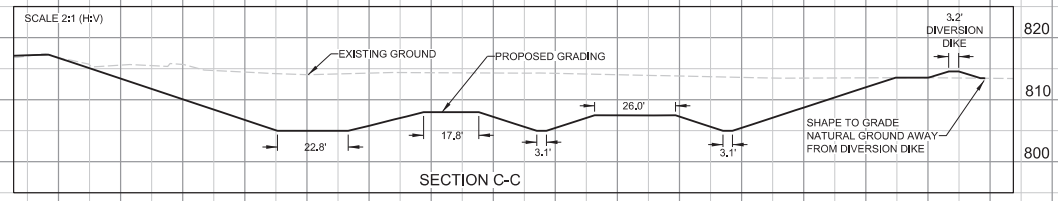
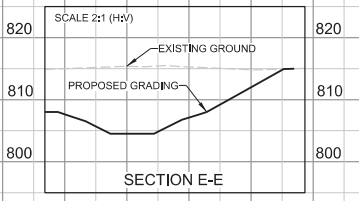


SECTION C-C



SECTION E-E

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Print Date/Time: 9/30/2021 1:58:40 AM By: jriley

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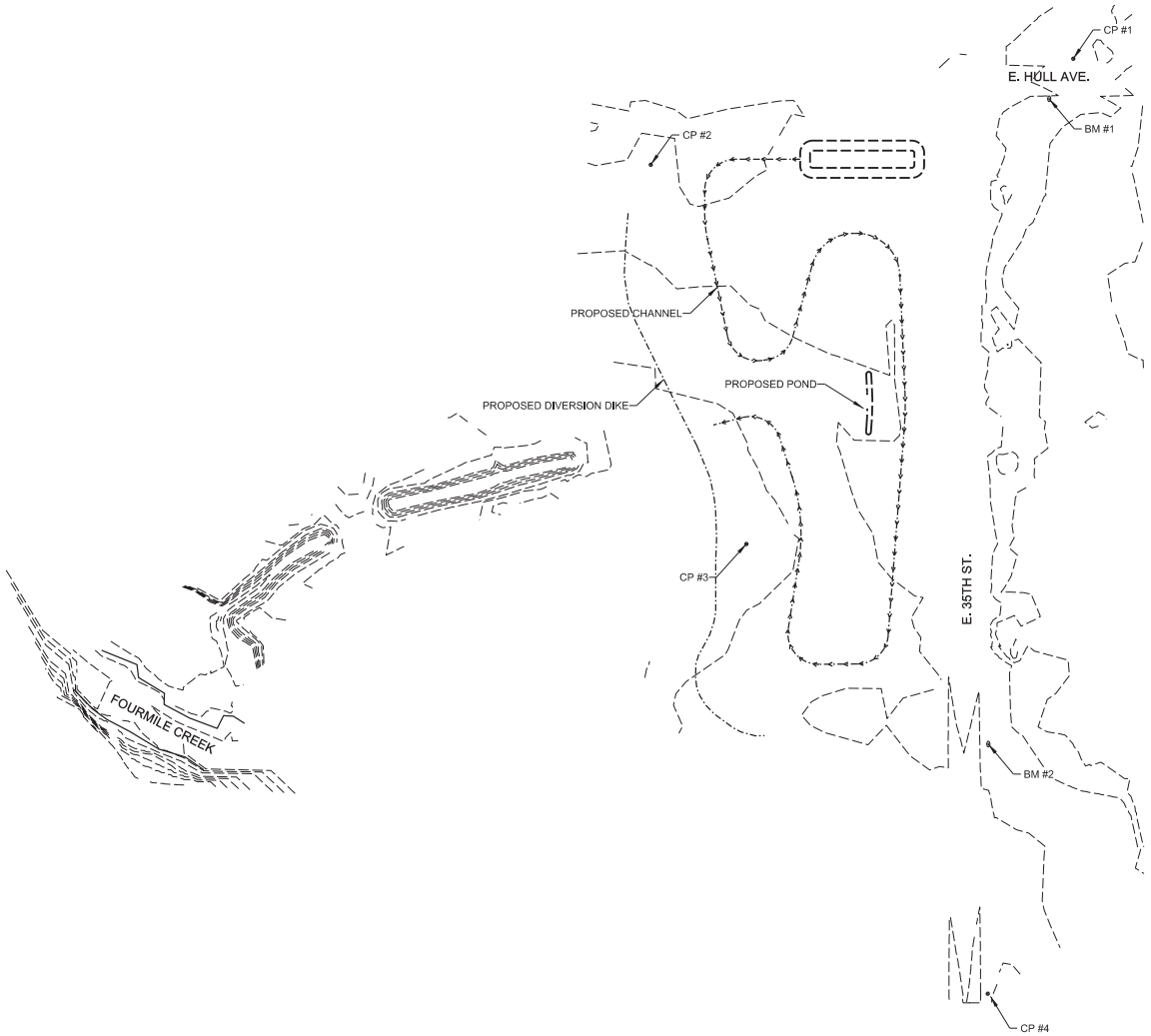
REVISION	REVISION	FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	DRAWN BY	DATE	PROJECT NO.	FILE NAME
			FIELD CREW	REVIEW BY	REVIEW DATE	jriley	9/30/2021	200454.00	S-20045400-XSEC01.dgn

GRADING PLAN SECTIONS D.04



BENCHMARKS - DATUM NAVD 88				
POINT NAME	NORTHING	EASTING	ELEV	LONG DESCRIPTION
BM-1	591071.631	1627588.12	818.157	NW BOLT HYDRANT S. OF HULL @ E. 35TH ST.
BM-2	590551.566	1627539.06	816.844	NE BOLT HYDRANT E SIDE OF E. 35TH ST.

HORIZONTAL CONTROL - IOWA SOUTH 1402 - NAD 1983				
POINT NAME	NORTHING	EASTING	ELEV	LONG DESCRIPTION
CP-1	591104.00	1627607.53	817.02	OPC 5' N HULL 35' W 36TH
CP-2	591018.53	1627266.95	815.74	OPC NW COR. OF SITE
CP-3	590712.87	1627344.04	812.69	OPC SW COR BY TREE LINE
CP-4	590350.38	1627538.65	813.69	OPC 5' E 35TH E OF INT S END

NOTE: CONTROL POINTS IN THE DISTURBED AREA ARE NOT REQUIRED TO BE PRESERVED.

GRAPHIC SCALE
0 25 50 100
UNIT OF MEASURE IS FEET

N

JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

BENCHMARKS & ALIGNMENTS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-20045400_CTRL.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95% DATE
REVISIONS	

G.01

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POLLUTION PREVENTION PLAN

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) Individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).

This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITIES
- A. Designer:
  1. Prepares Base PPP included in the project plan.
  2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
  3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.
- B. Contractor:
  1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
  2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
  3. Submits the Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
  4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830211).
  5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
  6. Conducts joint requires inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
  7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
  8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.
- C. Subcontractors:
  1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if responsible for sediment or erosion controls; involved in land disturbing activities; or performing work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830211). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
  2. Implement good housekeeping practices according to Paragraph III, C, 2.
- D. RCE/Project Engineer:
  1. Is Project Storm Water Manager.
  2. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
  3. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
  4. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
  5. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
  6. Is familiar with the Project's PPP and storm water site map.
  7. Is the point of contact for the Project for regulatory officials, inspector, contractors, and subcontractors regarding storm water requirements.
  8. Is signature authority on Notice of Discontinuation.
  9. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830211).
  10. Makes information to determine permit compliance available to the DNR upon their request.
- E. Inspector:
  1. Updates PPP through FieldBook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
  2. Makes information to determine permit compliance available to the DNR upon their request.
  3. Conducts joint requires inspections of the site with the contractor/subcontractor.
  4. Completes an inspection report after each inspection.
  5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION
- A. This Pollution Prevention Plan (PPP) is for the construction of a wetland.
- B. This PPP covers approximately 55 acres with an estimated 16 acres being disturbed. The portion of the PPP covering by this contract has 55 acres disturbed.
- C. The PPP is located in an area of Clarion, Nicollet, Webster soil association. The estimated weighted average runoff coefficient number for this PPP after completion will be 0.32.
- D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:
  1. Drainage Patterns - Plan and Profile sheets and Situation plans.
  2. Proposed Slopes - Cross Sections.
  3. Areas of Soil Disturbance - Construction limits shown on Plan and Profile sheets.
  4. Location of Structural Controls - Tabulations in C sheets.
  5. Locations of Non-structural Controls - Tabulations in C sheets.
  6. Locations of Stabilization Practices - Generally within construction limits shown on Plan and Profile sheets.
  7. Surface Waters (including wetlands) - Project Location Map and Plan and Profile sheets.
  8. Locations where Storm Water is Discharged - Plan and Profile sheets.
- E. The base storm water site map is amended by contract modifications and progress payments (FieldBook entries) of completed erosion

POLLUTION PREVENTION PLAN

control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by FieldBook entries and amended PPP site map.
- F. Runoff from this work will flow into Fourmile Creek.

III. CONTROLS
- A. The Contractor's ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.
- B. Preserve vegetation in areas not needed for construction.
- C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via FieldBook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.
  1. EROSION AND SEDIMENT CONTROLS
     - a. Stabilization Practices
       1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
       2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
          a) Permanently ceased on any portion of the site, or
          b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
       3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Include all areas stabilized according to paragraph III, C, 1, a, 2, b above.
       4) Permanent and Temporary Stabilization practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets.
       5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
       6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Additional information may be found in Tabulations in the C or T sheets or is referenced in Section 2105 of Standard Specifications.
     - b. Structural Practices
       1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
       2) Structural practices to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found in the B sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C sheets.
     - c. Storm Water Management
       Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C sheets. The installation of these devices may be subject to Section 404 of the Clean Water Act.
  2. OTHER CONTROLS
     Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules or regulations, the more restrictive applicable laws, rules or regulations shall apply.
     - a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
     - b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
     - c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
     - d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
     - e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.
     - f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
     - g. Concrete Grooving/Grinding Slurry - Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on forelanges or removed from the project.
     - h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
     - i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.
     - j. Dewatering - Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.
  3. APPROVED STATE OR LOCAL PLANS
     During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all Federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES

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By: jriley

POLLUTION PREVENTION PLAN

The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS

A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:
   1. Date of the inspection.
   2. Summary of the scope of the inspection.
   3. Name and qualifications of the personnel making the inspection.
   5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
   6. Major observations related to the implementation of the PPP.
   7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES

This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION

Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS

A. Base PPP - Initial Pollution Prevention Plan.

B. Amended PPP - Base PPP amended during construction. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, NOI, NOT, co-permittee certifications, and subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.

C. Fieldbook Entries - This contains the inspector's daily diary and bid item postings.

D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).

E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

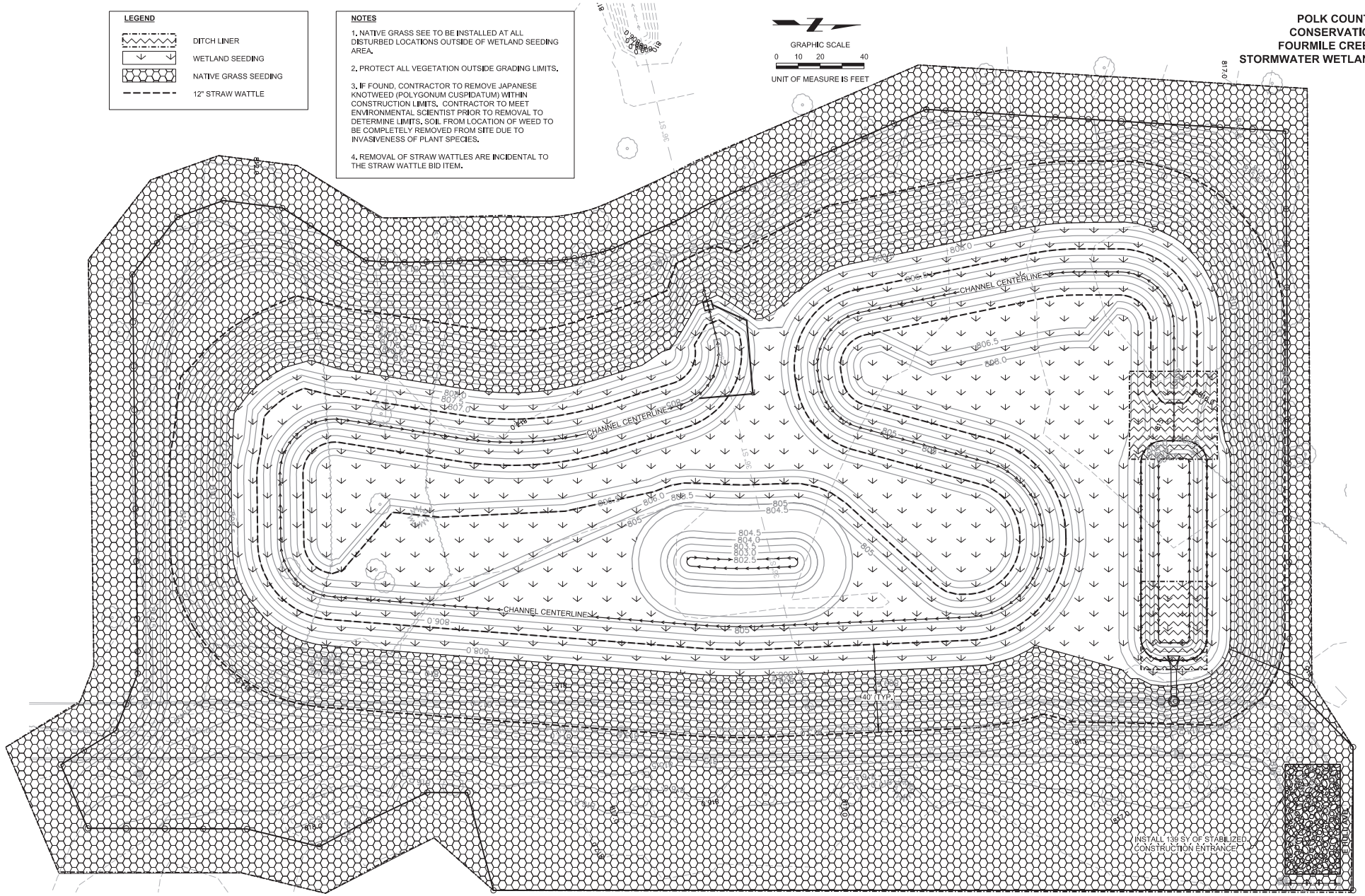
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Printed or Typed Name

Signature

Printed or Typed Name



POLK COUNTY
CONSERVATION
FOURMILE CREEK
STORMWATER WETLAND

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REVISION	REVISION	FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	DRAWN BY	DATE	PROJECT NO.	FILE NAME
		FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	jriley	9/30/2021	200454.00	S-20045400-EROSION.dgn

EROSION CONTROL

R.03

POLK COUNTY CONSERVATION FOURMILE CREEK STORMWATER WETLAND

NOTES

1. NATIVE GRASS SEE TO BE INSTALLED AT ALL DISTURBED LOCATIONS OUTSIDE OF WETLAND SEEDING AREA.

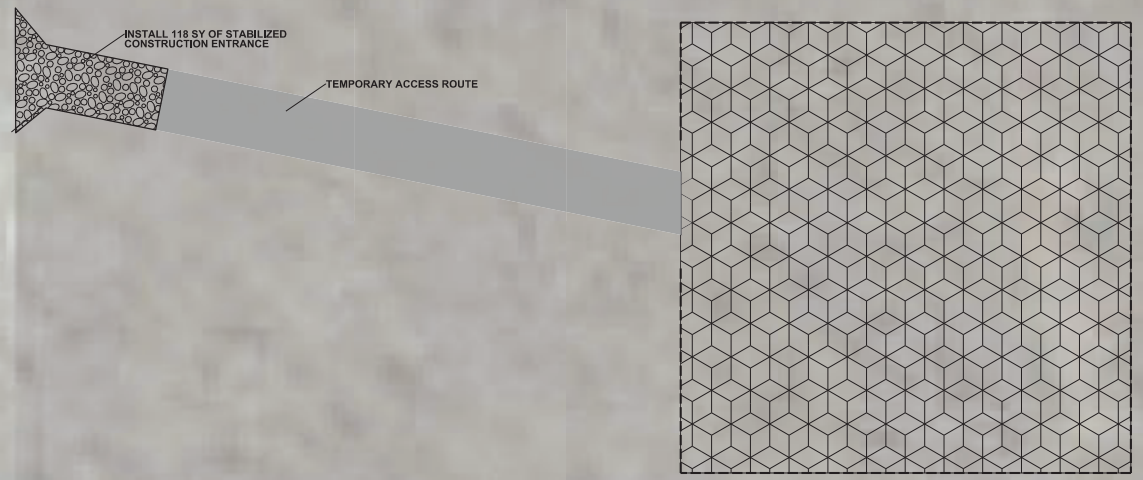
2. PROTECT ALL VEGETATION OUTSIDE GRADING LIMITS.

3. IF FOUND, CONTRACTOR TO REMOVE JAPANESE KNOTWEED (POLYGONUM CUSPIDATUM) WITHIN CONSTRUCTION LIMITS. CONTRACTOR TO MEET ENVIRONMENTAL SCIENTIST PRIOR TO REMOVAL TO DETERMINE LIMITS. SOIL FROM LOCATION OF WEED TO BE COMPLETELY REMOVED FROM SITE DUE TO INVASIVENESS OF PLANT SPECIES.

4. REMOVAL OF STRAW WATTLES ARE INCIDENTAL TO THE STRAW WATTLE BID ITEM.

LEGEND

- DITCH LINER
- WETLAND SEEDING
- NATIVE GRASS SEEDING
- TEMPORARY SEEDING
- 12" STRAW WATTLE



GRAPHIC SCALE
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UNIT OF MEASURE IS FEET

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REVISION	REVISION	FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	DRAWN BY	DATE	PROJECT NO.	FILE NAME
		FIELD BOOK	FIELD CREW	REVIEW BY	REVIEW DATE	jriley	9/30/2021	200454.00	S-20045400-EROSION02.dgn

EROSION CONTROL **R.04**

POLK COUNTY
CONSERVATION
FOURMILE CREEK
STORMWATER WETLAND

NRCS WETLAND AND STREAM BUFFER MIX			
FORBS/LEGUMES	SCIENTIFIC NAME	COMMON NAME	PLS OZ/ACRE
1	*AGALINIS TENUIFOLIA*	SLENDERLEAF FALSE FOXGLOVE	0.05
2	*BIDENS CERNUA*	NODDING BEGGARTICK	2.03
3	*CHELONE GLABRA*	WHITE TURTLEHEAD	0.46
4	*ECHINACEA PALLIDA*	PALE CONEFLOWER	4.19
5	*ERYNGIUM YUCCIFOLIUM*	RATTLESNAKE MASTER	4.36
6	*EUPATORIADELPHUS MACULATUS*	SPOTTED TRUMPETWEED	0.45
7	*GALIUM BOREALE*	NORTHERN BEDSTRAW	0.44
8	*HELENIUM AUTUMNALE*	SNEEZEWEED	0.30
9	*HELIANTHUS GROSSESERRATUS*	SAW-TOOTH SUNFLOWER	0.58
10	*HYPERICUM ASCYRON*	GIANT ST. JOHNSWORT	0.22
11	*HYPOXIS HIRSUTA*	COMMON GOLDSTAR	0.08
12	*LIATRIS PYCNOSTACHYA*	PRAIRIE BLAZING STAR	1.58
13	*LOBELIA CARDINALIS*	CARDINAL FLOWER	0.11
14	*LYSIMACHIA QUADRIFLORA*	NARROW-LEAVED LOOSESTRIFE	0.24
15	*OENOTHERA PILOSELLA*	MEADOW EVENING PRIMROSE	0.02
16	*OLIGONEURON RIDDELLII*	RIDDELL'S GOLDENROD	0.47
17	*PEDICULARIS LANCEOLATA*	SWAMP LOUSEWORT	0.97
18	*PENSTEMON DIGITALIS*	FOXGLOVE PENSTEMON	0.33
19	*PHLOX MACULATA*	WILD SWEET WILLIAM	0.59
20	*PHYSOSTEGIA VIRGINIANA*	FALSE DRAGONHEAD	1.19
21	*PYCNANTHEMUM VIRGINIANUM*	COMMON MOUNTAIN MINT	0.17
22	*RATIBIDA PINNATA*	GRAY-HEADED CONEFLOWER	0.89
23	*SENECIO CONGESTUS*	MARSH FLEABANE	1.09
24	*SYMPHYOTRICHUM NOVAE-ANGLIAE*	NEW ENGLAND ASTER	0.65
25	*THALICTRUM DASYCARPUM*	PURPLE MEADOW-RUE	1.98
26	*TRADESCANTIA OHIENSIS*	COMMON SPIDERWORT	3.63
27	*VERONICASTRUM VIRGINICUM*	CULVER'S ROOT	0.05
28	*ZIZIA AUREA*	GOLDEN ALEXANDER'S	2.77
29	*ROSA PALUSTRIS*	SWAMP ROSE	1.36

NRCS WETLAND AND STREAM BUFFER MIX			
GRASSES	SCIENTIFIC NAME	COMMON NAME	PLS OZ/ACRE
1	*ANDROPOGON GERARDII*	BIG BLUESTEM	7.62
2	*CALAMAGROSTIS CANADENSIS*	BLUEJOINT	0.33
3	*CAREX BEBBII*	BEBB'S SEDGE	2.56
4	*CAREX BICKNELLII*	BICKNELL'S SEDGE	2.56
5	*CAREX VULPINOIDEA*	FOX SEDGE	0.76
6	*ELYMUS CANADENSIS*	CANADA WILDRYE	16.75
7	*JUNCUS INTERIOR*	INLAND RUSH	0.03
8	*PANICUM VIRGATUM*	SWITCHGRASS	4.67
9	*SCHIZACHYRIUM SCOPARIUM*	LITTLE BLUESTEM	4.36
10	*SORGHASTRUM NUTANS*	INDIANGRASS	7.26
11	*SPARTINA PECTINATA*	PRAIRIE CORDGRASS	5.28

Plot Driver Used: K:\Bentley\Resources\fr\LIEC_OpenRoads\Workspaces\Standards\plotcfg\HeC_Stcc_PDF_B&W.ahcfg
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File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\S-20045400-SEEDINGPLAN.dgn
Print Date/Time: 10/5/2021 1:57:19 AM
By: jriley

POLK COUNTY CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL
PHASE 1

POLK COUNTY, IOWA

JEO PROJECT NUMBER: 200454.00

URBAN DESIGN STANDARDS 2021 EDITION			
THE FOLLOWING STANDARD DETAILS SHALL BE CONSIDERED APPLICABLE TO CONSTRUCTION WORK ON THIS PROJECT.			
NUMBER	DATE	NUMBER	DATE
2010.101	10-21-14	7010.101	04-21-20
2010.102	10-21-14	7010.102	04-21-20
		7010.103	04-21-20
3010.101	04-17-18	7010.901	10-16-12
3010.102	04-20-21	7010.904	10-19-10
		7010.905	10-19-10
4020.211	04-17-18	7030.201	10-20-15
4030.222	10-18-16	7030.204	10-20-15
4030.224	10-18-16	7030.205	10-20-15
		7030.207	10-16-12
6010.402	04-21-20	7030.210	10-16-12
6010.501	04-21-20	7040.103	10-17-17
6010.514	04-17-18	7040.104	10-17-17
6010.601	04-21-20		
6010.602	04-21-20	8030.101	10-17-17
6010.603	10-16-18	8030.102	10-17-17
6010.604	04-21-20	8030.116	10-17-17
		9040.105	10-21-14
THE FOLLOWING STANDARD DETAILS ARE PART OF THE IOWA DEPARTMENT OF TRANSPORTATION'S STANDARD ROAD PLAN LIST AND SHALL BE CONSIDERED APPLICABLE TO CONSTRUCTION WORK ON THIS PROJECT.			
SI-182	04-19-16		

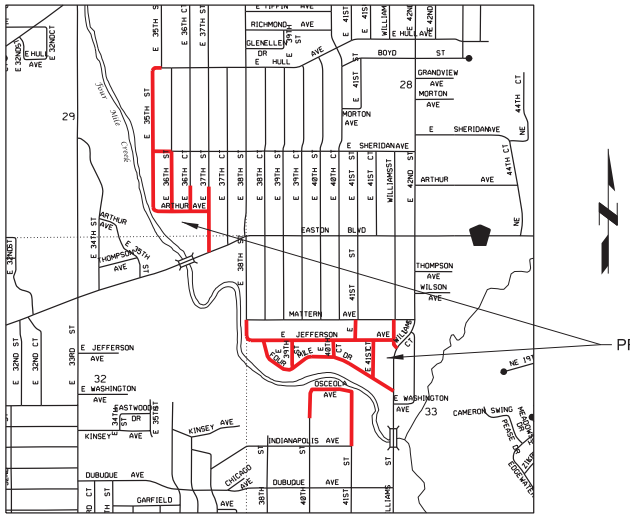
THIS PROJECT IS COVERED BY THE IOWA DEPARTMENT OF NATURAL RESOURCES NPDES GENERAL PERMIT NO. 2. THE CONTRACTOR SHALL CARRY OUT THE TERMS AND CONDITIONS OF GENERAL PERMIT NO. 2 AND THE POLLUTION PREVENTION PLAN, WHICH IS PART OF THESE CONTRACT DOCUMENTS.

NOTE:

NEITHER THE OWNER (CLIENT) NOR JEO CONSULTING GROUP, INC. ASSUMES ANY RESPONSIBILITY FOR UTILITY LOCATIONS BEING ACCURATELY SHOWN OR NOT SHOWN ON THE PLANS.

THE EXACT LOCATION AND/OR SIZE OF UNDERGROUND FEATURES MAY NOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. FIELD VERIFICATION OF UTILITIES MAY BE REQUIRED. IT IS RECOMMENDED THAT THE CONSULTANT(S) DESIGNING IMPROVEMENTS ON OR ADJACENT TO THE SITE VERIFY THE PRESENCE OF EXISTING UTILITIES WITH THE APPROPRIATE UTILITY COMPANY. CONTRACTOR(S) SHALL NOTIFY THE RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING ANY WORK.

THE MOST RECENT EDITIONS OF THE SUDAS STANDARD SPECIFICATIONS AND IOWA DOT MATERIALS I. M. 'S SHALL APPLY TO ALL WORK PERFORMED ON THIS PROJECT, UNLESS OTHERWISE NOTED HEREIN.



VICINITY MAP
NOT TO SCALE

INDEX OF SHEETS:

SHEET NO:	SHEET NAME:
A.01	TITLE SHEET
A.02	LEGEND
A.03	STOCKPILE LOCATION
B.01 - B.04	TYPICALS
C.01 - C.04	QUANTITIES, ESTIMATE REFERENCE, TABULATIONS, AND NOTES
D.01 - D.07	PLAN VIEW SHEETS
F.01 - F.07	REMOVAL SHEETS
G.01	BENCHMARKS AND CONTROL POINTS
L.01	JOINTING
R.01	EROSION CONTROL / SEEDING
R.02 - R.03	STORMWATER POLLUTION PREVENTION PLAN

IOWA ONE CALL
1-800-292-8989 | 811
www.iowaonecall.com

POLK COUNTY CONSERVATION

ROB J. HAALAND 19529 LICENSED PROFESSIONAL ENGINEER IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA

11-05-2021
SIGNATURE DATE

ROB J. HAALAND, PE
PRINTED OR TYPED NAME

19529

MY LICENSE RENEWAL DATE IS: DECEMBER 31, 2022

PAGES OR SHEETS COVERED BY THIS SEAL:

ALL SHEETS

JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY CONSERVATION FOURMILE CREEK ROADWAY REMOVAL

TITLE SHEET

PROJECT NO.	200454.00
DATE	11/5/2021
DRAWN BY	jriley
FILE NAME	S-200454_A01 - Phase1.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND DATE	PIH Init PIH DATE
70 PERCENT REVIEW DATE	70% Init 70% DATE
95 PERCENT REVIEW DATE	95% Init 95% DATE
REVISIONS	

A.01

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File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\ROADWAY\S-200454_A01 - Phase1.dgn
Print Date/Time: 11/5/2021 2:26:56 AM
By: jriley

LINESTYLES

ITEM	SYMBOL
BREAK LINE	
CABLE TELEVISION	
CENTERLINE OF ROAD	
CONTOUR MINOR (EX)	1202
CONTOUR MAJOR (EX)	1200
CONTOUR MINOR (EX SCREENED)	1202
CONTOUR MAJOR (EX SCREENED)	1200
CONTOUR MINOR (PR)	1202
CONTOUR MAJOR (PR)	1200
LIMITS OF CONSTRUCTION	
CULVERT	
ELECTRIC (OVERHEAD)	OHE
ELECTRIC (UNDERGROUND)	UGE
FENCE (WOODEN)	
FENCE (WIRE OR UNKNOWN)	
FENCE (CHAINLINK)	
FENCE (SECURITY)	
FIBER OPTIC LINE	FO
FLOWLINE (BREAKLINE)	
GAS LINE	G
GUARDRAIL	
PROPERTY BOUNDARY	
PROPERTY LOT LINES (PR)	
RIGHT-OF-WAY LINE	ROW
RAILROAD RIGHT-OF-WAY	
RAILROAD TRACKS	
RETAINING WALL	
SANITARY SEWER (EXIST)	8" SAN
SANITARY SEWER (PROP)	8" SAN
SAN SEWER FORCE MAIN (EX)	
SAN SEWER FORCE MAIN (PR)	
STORM SEWER (EXIST)	12"ST (OFFSET TO PIPE SIZE)
STORM SEWER (PROP)	12" ST (OFFSET TO PIPE SIZE)
TELEPHONE LINE (UGND)	UGT
TELEPHONE LINE (OVERHEAD)	OT
TERRACE	
CROPLINE	
TRAVELED WAY	
WATER (EXIST)	6" W
WATER (PROP)	6" W
FIRE SERVICE	

SWPPP

ITEM	SYMBOL
SILT FENCE	SF
INLET PROTECTION	
STRAW WATTLE CHECK	
STRAW BALE CHECK	
FLOW ARROW (PLAN)	
AREA INLET FILTER PROTECTION	
RIP RAP	
SEEDING	
MATTING	

PAVING FEATURES

ITEM	SYMBOL
EXISTING PAVEMENT JOINT	
TRANSVERSE JOINT	
LONGITUDINAL JOINT	
EXPANSION/KEYED JOINT	
PAVEMENT MARKING	
PAVEMENT REBAR	
HANDICAP SYMBOL	

UTILITIES

ITEM	SYMBOL
STORM SEWER	
CURB INLET	
GRATE INLET	
CATCH BASIN	
STORM SEWER MANHOLE	
SANITARY	
CLEANOUT	
SEPTIC TANK	
SANITARY MANHOLE	
POWER, ELECTRICAL, LIGHT, AND TRAFFIC	
AIR CONDITIONING UNIT	
ANTENNA	
ANCHOR POLE/POST	
GUY POLE	
GUY WIRE ANCHOR	
ELECTRICAL HIGHLINE TOWER (METAL OR CONCRETE)	
POWER POLE (EXISTING)	
POWER POLE (PROPOSED)	
POWER (ELEC) PEDESTAL	
POWER (ELEC) PULL BOX OR MANHOLE	
POWER (ELEC) METER	
LIGHT POLE	
TRAFFIC SIGNAL	
TRAFFIC SIGNAL BOX	
TELEVISION PEDESTAL	
TELEVISION MANHOLE	
WATER	
WATER MANHOLE	
WATER VALVE	
WATER SHUT OFF OR CURB STOP	
WELL	
WATER METER	
WATER METER PIT	
YARD HYDRANT	
WATER ELEVATION	
WATER TOWER	
FIRE HYDRANT (EXISTING)	
FIRE HYDRANT (PROPOSED)	
FIRE HYDRANT IN PROFILE	
WATER FITTINGS	
11- 1/4°	
22- 1/2°	
45°	
90°	
CROSS	
PLUG	
REDUCER	
TEE	
GAS	
GAS METER	
GAS MANHOLE	
GAS FILL PIPE	
GAS PUMP	
GAS VALVE	
GAS VENT	
TELEPHONE	
FIBER OPTICS PULL BOX	
TELEPHONE POLE	
TELEPHONE PULL BOX OR MANHOLE	
TELEPHONE PEDESTAL	
MANHOLE (NON-SPECIFIC)	
UNDERGRND STORAGE TANK	
VALVE (NON-SPECIFIC)	

VEGETATION

ITEM	SYMBOL
BUSH	
CONIFEROUS TREE	
DECIDUOUS TREE	
HEDGE OR BUSH ROW	
MARSH/WETLAND	
TREE MASS LINE	
TREE MASS LINE (CONIF)	
TREE STUMP	

SITE & SIGNAGE

ITEM	SYMBOL
SIGN	
BARRICADE	
ROAD SIGNS	
COUNTY ROAD	
INTERSTATE HIGHWAY	
STATE HIGHWAY	
U.S. HIGHWAY	
MILE MARKER POST	
RIGHT OF WAY MARKER	
RAILROAD CROSSING SIGNAL	
RAILROAD SWITCH	
FLAG POLE	
MAILBOX	
PROPANE TANK	
SATELLITE TV DISH	
WINDMILL	

CONTROL & ELEVATION

ITEM	SYMBOL
BENCHMARK	
CONTROL POINT (NON-PROPERTY)	
MONUMENT FOUND (PROPERTY)	
MONUMENT SET	
TEMPORARY POINT	
TEST BORING	
POINT ELEVATION (EXISTING)	× 0.00
POINT ELEVATION (PROPOSED)	+ 0.00 TC
GRID TICK	+

MISC FEATURES

ITEM	SYMBOL
CENTER PIVOT	
CEMETERY	
GRAVE	
CHURCH	
CAVE	
CISTERN	
LATRINE	
OIL WELL	
GUARD POST	

PAVEMENT SYMBOLS AND HATCH

ITEM	SYMBOL	HATCH
ASPHALT PAVEMENT (TO REMAIN)		
EXISTING PAVEMENT REMOVAL		
CONCRETE PAVEMENT (PR.)		
HMA PAVEMENT (PR.)		

GENERAL

ITEM	SYMBOL
PLAN REVISION	
NORTH ARROW	
GRAPHIC SCALE	GRAPHIC SCALE 0 10 20 40 UNIT OF MEASURE IS FEET

ADA SIDEWALK SYMBOLS AND HATCH

ITEM	SYMBOL	HATCH
TURNING SPACE		
RAMP		
SIDEWALK		
DETECTABLE WARNING		

UTILITY CONTACTS

ST

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SAN

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MID-AMERICAN ELECTRIC
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JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

LEGEND

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454_A02.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS	PIH Init
PLAN IN HAND DATE	PIH DATE
70 PERCENT REVIEW INITIALS	70% Init
70 PERCENT REVIEW DATE	70% DATE
95 PERCENT REVIEW INITIALS	95% Init
95 PERCENT REVIEW DATE	95% DATE
REVISIONS	

A.02

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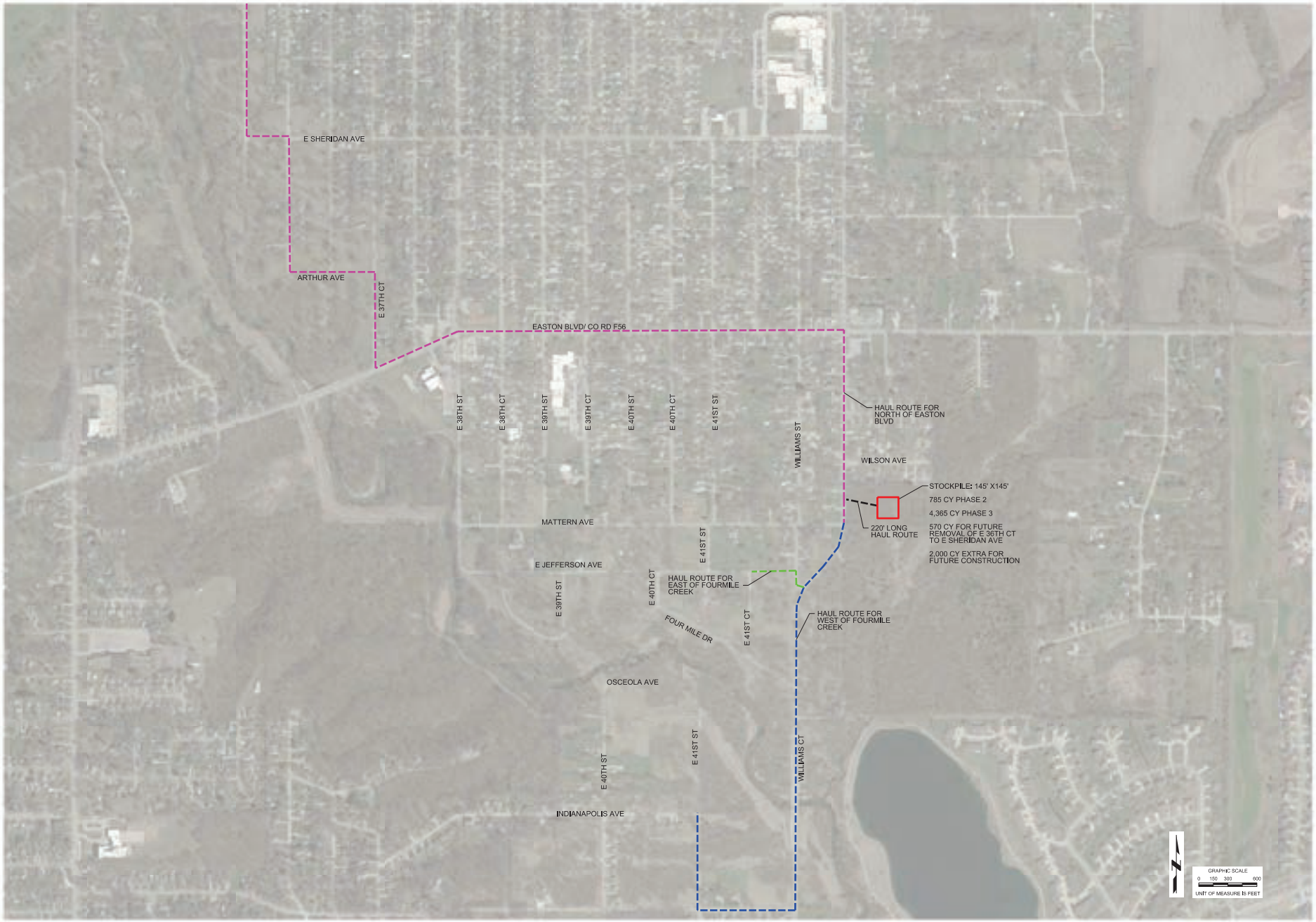
File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\ROADWAY\S-200454_A02.dgn
Print Date/Time: 9/30/2021 12:25:1 AM
By: jriley



JEO CONSULTING GROUP INC
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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

STOCKPILE LOCATIONS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454_A03.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95% DATE
REVISIONS	

A.03

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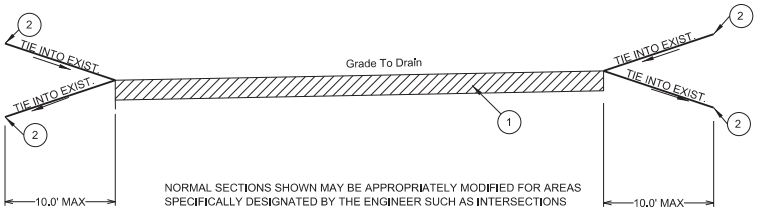
Print Date/Time: 9/30/2021 12:30 AM
By: jriley

LOCATION
STREET NAME
HULL AVE
E 35TH ST
SHERIDAN AVE
ARTHUR AVE
E 36TH ST
E 36TH CT
E 37TH ST
E 39TH ST (NORTH OF CREEK)
E 40TH CT
E JEFFERSON AVE (EAST OF FOUR MILE DR)
WILLIAMS ST
E 40TH ST
E 41ST ST (SOUTH OF CREEK)

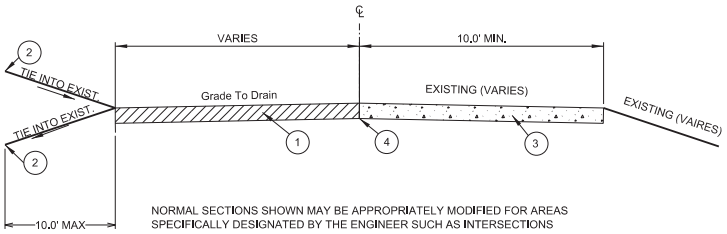


A TYPICAL SECTION - FULL REMOVAL
Not to Scale

NOTES

1. EXISTING ROADWAY TO BE REMOVED AND REPLACED WITH TOPSOIL. 7.0 INCHES OF TOPSOIL WILL BE PLACED WHERE THERE IS NO CURB AND 13.0 INCHES OF TOPSOIL WILL BE PLACED WHERE THERE IS CURB. TOPSOIL TO COME FROM ATTACHED PROJECT "POLK COUNTY CONSERVATION FOURMILE CREEK STORMWATER WETLAND", REFER TO BID ITEM "TOPSOIL, OFF-SITE," 1.0 INCH OF COMPOST WILL BE AMENDED INTO THE TOPSOIL, REFER TO BID ITEM "TOPSOIL, COMPOST-AMENDED."
2. TIE INTO EXISTING GROUND

LOCATION
STREET NAME
FOUR MILE DR
E 41ST ST (NORTH OF CREEK)
E 41ST CT

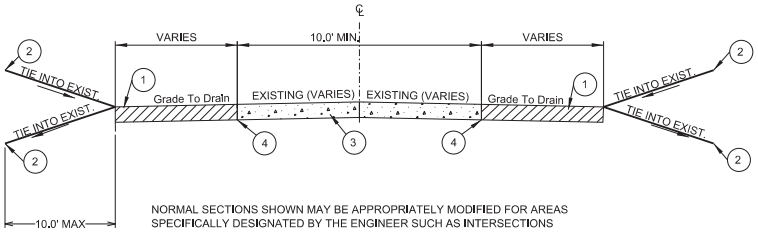


B TYPICAL SECTION - PARTIAL REMOVAL
Not to Scale

NOTES

1. EXISTING ROADWAY TO BE REMOVED AND REPLACED WITH TOPSOIL. 7.0 INCHES OF TOPSOIL WILL BE PLACED WHERE THERE IS NO CURB AND 13.0 INCHES OF TOPSOIL WILL BE PLACED WHERE THERE IS CURB. TOPSOIL TO COME FROM ATTACHED PROJECT "POLK COUNTY CONSERVATION FOURMILE CREEK STORMWATER WETLAND", REFER TO BID ITEM "TOPSOIL, OFF-SITE," 1.0 INCH OF COMPOST WILL BE AMENDED INTO THE TOPSOIL, REFER TO BID ITEM "TOPSOIL, COMPOST-AMENDED."
2. TIE INTO EXISTING GROUND
3. EXISTING HMA PAVEMENT, ASSUMED TO BE A THICKNESS OF 8"
4. SAWCUT FULL DEPTH OF PAVEMENT WHILE TAKING CARE TO PROTECT PAVEMENT THAT IS NOT BEING REMOVED.

LOCATION
STREET NAME
E 38TH ST
E JEFFERSON AVE (E 38TH ST TO FOUR MILE DR)



C TYPICAL SECTION - PARTIAL REMOVAL, KEEPING CENTER
Not to Scale

NOTES

1. EXISTING ROADWAY TO BE REMOVED AND REPLACED WITH TOPSOIL. 7.0 INCHES OF TOPSOIL WILL BE PLACED WHERE THERE IS NO CURB AND 13.0 INCHES OF TOPSOIL WILL BE PLACED WHERE THERE IS CURB. TOPSOIL TO COME FROM ATTACHED PROJECT "POLK COUNTY CONSERVATION FOURMILE CREEK STORMWATER WETLAND", REFER TO BID ITEM "TOPSOIL, OFF-SITE," 1.0 INCH OF COMPOST WILL BE AMENDED INTO THE TOPSOIL, REFER TO BID ITEM "TOPSOIL, COMPOST-AMENDED."
2. TIE INTO EXISTING GROUND
3. EXISTING HMA PAVEMENT, ASSUMED TO BE A THICKNESS OF 8"
4. SAWCUT FULL DEPTH OF PAVEMENT WHILE TAKING CARE TO PROTECT PAVEMENT THAT IS NOT BEING REMOVED.

JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

TYPICAL

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-B01.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS	PIH Init
PLAN IN HAND DATE	PIH DATE
70 PERCENT REVIEW INITIALS	70% Init
70 PERCENT REVIEW DATE	70% DATE
95 PERCENT REVIEW INITIALS	95% Init
95 PERCENT REVIEW DATE	95% DATE
REVISIONS	

B.01

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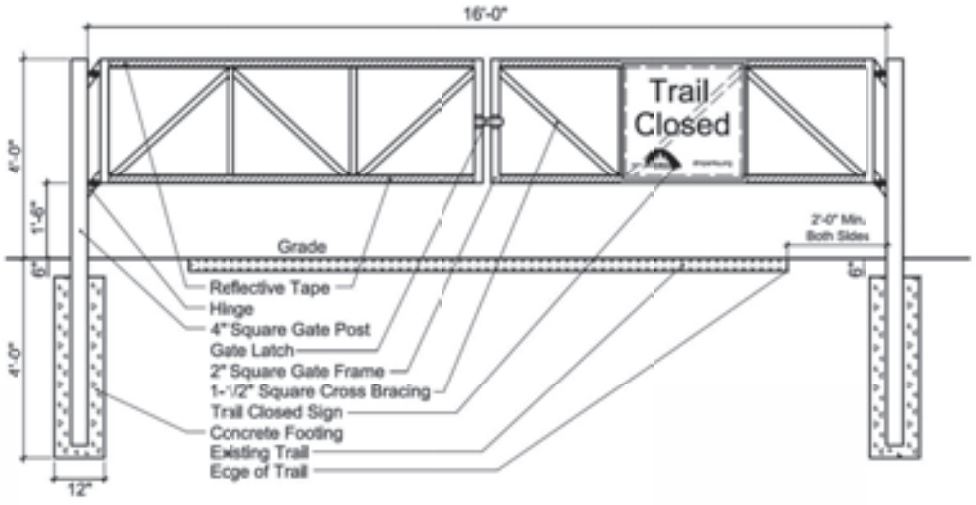
By: jriley



E TRAIL CLOSURE GATE DETAIL
Not to Scale

JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

TYPICAL

PROJECT NO.	200454.00
DATE	10/7/2021
DRAWN BY	jriley
FILE NAME	S-200454-B02.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95% DATE
REVISIONS	

B.02

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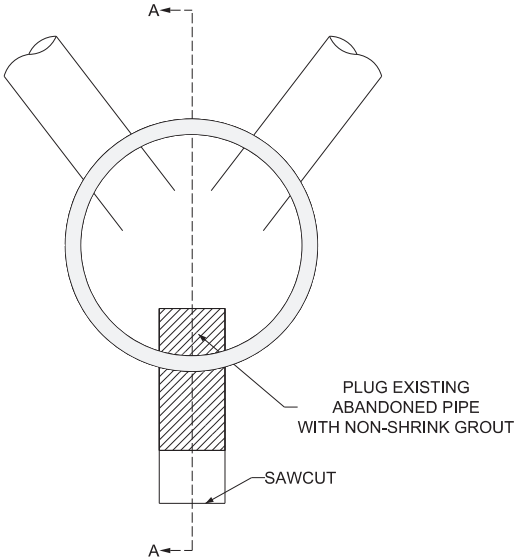
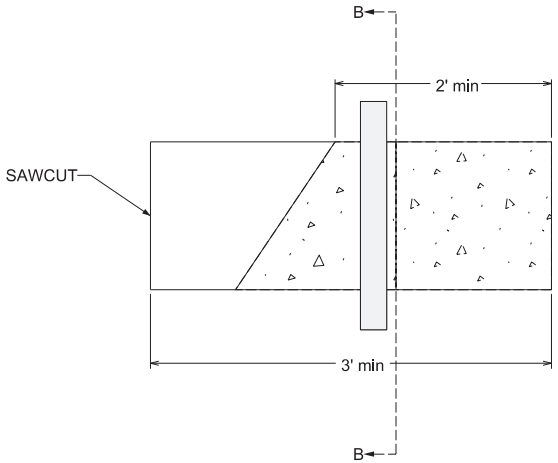
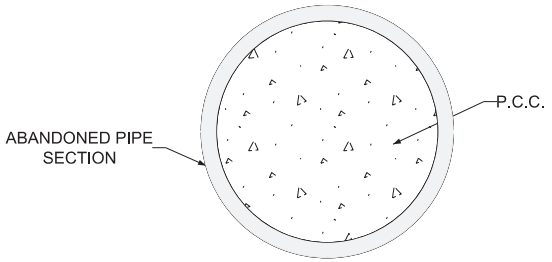
By: jriley



TOP VIEW



SECTION A-A



SECTION B-B

G SANITARY/STORM SEWER ABANDONMENT, PLUG

Not to Scale

JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

TYPICAL

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-B03.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS	PIH Init
PLAN IN HAND DATE	PIH DATE
70 PERCENT REVIEW INITIALS	70% Init
70 PERCENT REVIEW DATE	70% DATE
95 PERCENT REVIEW INITIALS	95% Init
95 PERCENT REVIEW DATE	95% DATE
REVISIONS	

B.03

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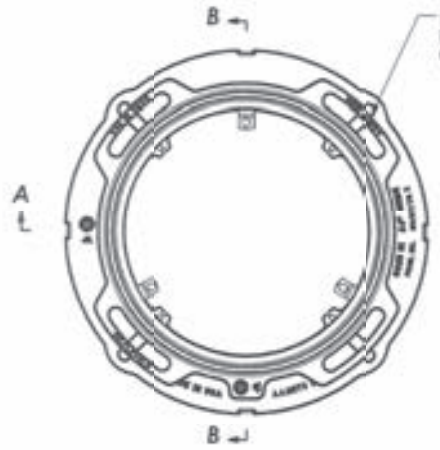
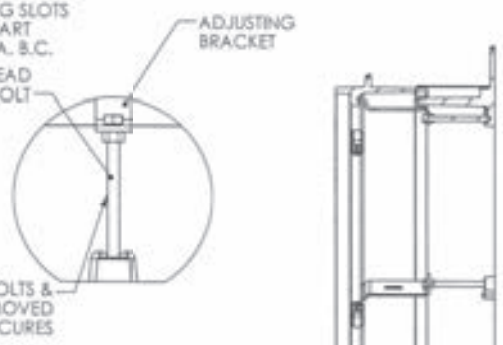
File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\ROADWAY\S-200454-B03.dgn
Print Date/Time: 9/30/2021 11:42:25 AM By: jriley

H 3025 SELF-LEVEL ASSEMBLY

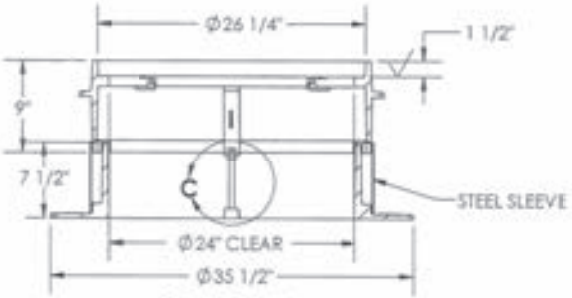
Not to Scale



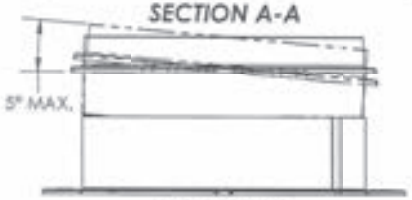


ADJUSTING BRACKET DETAIL C

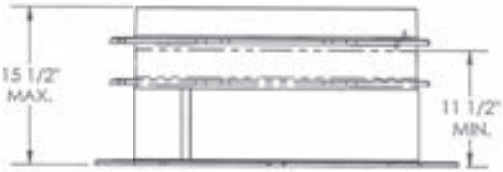
SECTION B-B



SECTION A-A



FRONT VIEW
(SHOWING MAXIMUM TIP @ 5° ANGLE)



SIDE VIEW
(SHOWING TRAVEL OF UPPER FRAME)

SIDE VIEW
(SHOWING MAXIMUM TIP @ 5° ANGLE)

ej

Product Number
00302513A01

Design Features
-Materials
Frame
Ductile Iron (80-55-06)
Frame
Ductile Iron (80-55-06)
Accessory
Steel

-Design Load
Heavy Duty
-Open Area
n/a
-Coating
Undipped
-√ Designates Machined Surface

Certification
-ASTM A536
-AASHTO M306
-
-Country of Origin: USA

Major Components
00302519
00302513
00302596

Drawing Revision
11/12/2014 Designer: DJH
12/08/2014 Revised By: DJH

Disclaimer
*Weights (lbs/kg), dimensions (inch/metric) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

DETAILS

PROJECT NO.	200454.00
DATE	10/7/2021
DRAWN BY	jriley
FILE NAME	S-200454-B04.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95% DATE
REVISIONS	

B.04

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Print Date/Time: 10/7/2021 2:42:17 PM
By: jriley

ESTIMATED PROJECT QUANTITIES
(UP TO A 5 DIVISION PROJECT)

Division 1: Phase 1
Division 2: Phase 2
Division 3: Phase 3

Item No.	Item Code	Item	Unit	Quantities										
				Estimated						As Built				
				Division 1	Division 2	Division 3	Division 4	Division 5	Total	Division 1	Division 2	Division 3	Division 4	Division 5
	DIVISION 2	EARTHWORK												
2.01	2010-D-1	TOPSOIL, ON-SITE	CY	55	58	6			105					
2.02	2010-D-2	TOPSOIL, COMPOST AMENDED	CY	400	53	358			805					
2.03	2010-D-3	TOPSOIL, OFF-SITE	CY	4400	900	4298			9598					
2.04	2010-E	EXCAVATION, CLASS 10	CY	79	53	75			200					
2.05	2010-I	SUBBASE, MODIFIED	SY	1248	173	181			1606					
2.06	2010-J-1-C	REMOVAL OF KNOWN PIPE CULVERT, CMP, EQUAL TO OR LESS THAN 48 IN.	LF	91	0	0			91					
2.07	2010-J-2-C	REMOVAL OF KNOWN PIPE CULVERT, RCP	LF	58	0	0			58					
	DIVISION 4	SEWERS AND DRAINS												
4.01	4010-H	REMOVAL OF SANITARY SEWER	LF	0	0	870			870					
4.02	4010-K	SANITARY SEWER ABANDONMENT, PLUG	EA	0	0	1			1					
4.03	4020-A-1	STORM SEWER, TRENCHED, RCP, 15 IN. DIA.	LF	30	0	0			30					
4.04	4020-H	REMOVAL OF STORM SEWER	LF	547	54	429			1031					
4.05	4020-F	STORM SEWER ABANDONMENT, PLUG	EA	2	2	5			9					
4.06	4020-999-A	REPLACE CONCRETE FILLET	EA	0	0	1			1					
4.07	4030-B	PIPE APRON, RCP, 15 IN. DIA.	EA	1	0	0			1					
4.08	4030-D	PIPE APRON GUARD	EA	1	0	0			1					
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM												
6.01	6010-B	INTAKE, SW-585	EA	1	0	0			1					
6.02	6010-F	MANHOLE ADJUSTMENT, MINOR	EA	1	0	2			5					
6.03	6010-F	MANHOLE ADJUSTMENT, MAJOR	EA	0	2	15			25					
6.04	6010-F	INTAKE ADJUSTMENT, MAJOR, AREA INTAKE	EA	0	0	2			2					
6.05	6010-F	INTAKE ADJUSTMENT, MAJOR	EA	0	1	1			2					
6.06	6010-H	REMOVE MANHOLE, JUNCTION & STORM	EA	0	0	4			4					
6.07	6010-H	REMOVE INTAKE	EA	4	3	4			11					
	DIVISION 7	STREETS AND RELATED WORK												
7.01	7010-A	PAVEMENT, PCC, 6 IN.	SY	930	119	11			1061					
7.02	7010-I	CURB AND GUTTER, 2.5 FT, 6 IN.	LF	220	25	275			520					
7.03	7010-B	PAVEMENT, HMA, 4.0 IN.	SY	0	119	0			119					
7.04	7010-D	REMOVAL OF CURB	LF	0	168	0			168					
7.05	7010-C	SHARED USE PATH, PCC, 6 IN.	SY	80	0	11			91					
7.06	7010-E	SIDEWALK, PCC, 4 IN.	SY	0	0	39			39					
7.07	7010-G	DETECTABLE WARNINGS	SF	44	0	20			64					
7.08	7040-A	FULL DEPTH PATCHES	SY	89	0	0			89					
7.09	7040-C	PARTIAL DEPTH PATCHES	SF	300	0	0			300					
7.1	7040-D	CRACK AND JOINT CLEANING AND FILLING, HOT POUR	LF	40	0	0			40					
7.11	7040-H	PAVEMENT REMOVAL	SY	13578	1033	12586			28013					
	DIVISION 8	TRAFFIC CONTROL												
8.01	8010-999-A	REMOVE, SALVAGE, AND REINSTALL SIGN	EA	2	0	5			7					
8.02	8010-999-B	REMOVE AND SALVAGE SIGN	EA	18	2	34			54					
8.03	8010-999-C	OBJECT MARKER, OM1-3	EA	4	0	0			4					
8.04	8010-999-D	TYPE A SIGNS, SHEET ALUMINUM	SF	5.25	12.5	0			18.75					
8.05	8010-999-E	INSTALL TYPE A SIGN	EA	1	2	6			9					
8.06	8010-999-F	48.0 IN. FLEXIBLE DELINEATOR ASSEMBLIES	EA	2	0	1			3					
8.07	8010-999-G	TRAIL CLOSED GAT	EA	1	0	1			2					
8.08	8010-999-H	PERMANENT ROAD CLOSURE - URBAN	EA	0	1	0			2					
8.09	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	1	1			3					
	DIVISION 9	SITE WORK AND LANDSCAPING												
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)	AC	4.7	9.8	4.8			18.3					
9.02	9040-F-1	WATTLE, STRAW, 12 IN. DIA.	LF	3100	50	100			3250					
9.03	9040-Q-2	EROSION CONTROL BLANKET, HYDROMULCHING	AC	0	0.5	0.5			1					
9.04	9060-F	REMOVAL OF FENCE	LF	20	0	0			20					
9.05	9060-999-A	REMOVAL OF FENCE POST, WOODEN	LS	1	0	0			1					
	DIVISION 10	DEMOLITION												
10.01	10_010-999-A	REMOVAL OF DEBRIS	LS	1	0	1			2					
	DIVISION 11	MISCELLANEOUS												
11.01	11_020-A	MOBILIZATION	LS	1	1	1			3					
11.02	11_050-A	CONCRETE WASHOUT	LS	1	1	1			3					

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

QUANTITIES, ESTIMATE REFERENCE, TABULATIONS, AND NOTES

PROJECT NO. 200454.00
DATE 10/7/2021
DRAWN BY jriley
FILE NAME S-200454-C01.dgn
FIELD BOOK FIELDBOOK
FIELD CREW FC Init
SURVEY FILE NO. SURVEY FILE NO
PLAN IN HAND INITIALS PIH Init
DATE PIH DATE
70 PERCENT REVIEW INITIALS 70% Init
DATE 70% DATE
95 PERCENT REVIEW INITIALS 95% Init
DATE 95% DATE
REVISIONS

C.01

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Print Date/Time: 10/7/2021 8:05:51 AM
By: jriley

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Print Date/Time: 10/7/2021 2:46:58 PM
By: jriley

1200-322
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
	DIVISION 2	EARTHWORK
2.01	2010-0-1	TOPSOIL, ON-SITE Assumed a 6.0 inch strip from the areas of new construction. Topsoil to be spread in the same locations called out in bid item "TOPSOIL, OFF-SITE". Topsoil Provided by New Construction: Phase 1: ± 4855 SY Cil-de-sac: 55 CY Phase 2: ± 36th Ct Hammerhead: 33 CY ± 37th St Hammerhead: 33 CY
2.02	2010-0-2	TOPSOIL, COMPOST AMENDED Quantity is based on amending compost at a 1.0 inch thick layer into the top 3.0 inches of topsoil spread on-site. Total Compost Needed: Phase 1: 400 CY Phase 2: 55 CY Phase 3: 350 CY
2.03	2010-0-3	TOPSOIL, OFF-SITE Topsoil will be stockpiled on site from the Stormwater Wetland project attached to this contract. Refer to sheet A.03 for stockpile location. Contractor is responsible for making sure that the fill is clear of any large impervious materials. Fill quantity is based on an assumed placement of 7.0 inches (no curb and gutter) and 13.0 inches (curb and gutter) where pavement removal is called out in the F-Sheets. Quantity is reduced by any applicable "TOPSOIL, ON-SITE." With a 25% shrink factor. Balance of Topsoil Needed: (source of topsoil) Phase 1 (wetland Construction): 4,400 CY Phase 2 (Stockpile): 848 CY Phase 3 (Stockpile): 4,250 CY.
2.04	2010-E	EXCAVATION, CLASS 10 Summary of earthwork on proposed pavement and area of utility removal. Waste excavation is to be placed in the same locations called out in bid item "TOPSOIL, OFF-SITE". Borrow needed is to come from the designated stockpile, location shown on A.03. Phase 1: ± 4855 SY: Cut = 65 CY Fill = 75 CY (with 30% shrink factor) Storm Removal Fill = 60 CY (with 30% shrink factor) Total Borrow (Phase 1) = 70 CY Phase 2: Hammerhead at ± 37th St: Cut: 65 CY (reduced by Topsoil, On-Site) Fill: 0 CY Storm Removal Fill = 10 CY with 30% shrink factor) Total Waste (Phase 2) = 55 CY Phase 3: Storm Removal Fill = 45 CY (with 30% shrink factor) Sanitary Removal: Fill = 30 CY (with 30% shrink factor) Total Borrow (Phase 3) = 75 CY
2.05	2010-I	SUBBASE, MODIFIED Refer to the D-Sheets for locations. Quantity based on placing modified 3.0 foot beyond back of curb for cul-de-sac, proposed roadway, and curb and gutter installation. To be installed at 6.0 inches deep.
2.06	2010-J-1-c	REMOVAL OF ENDWALL/PIPE CULVERT, CMP, EQUAL TO OR LESS THAN 48 IN.
2.07	2010-J-2-c	REMOVAL OF ENDWALL/PIPE CULVERT, RCP Refer to F sheet for removal locations. Unit price includes all excavation, backfill, compaction, materials, labor and associated work to remove the culverts.
	DIVISION 4	SEWERS AND DRAINS
4.01	4010-H	REMOVAL OF SANITARY SEWER
4.02	4010-K	SANITARY SEWER ABANDONMENT, PLUG Refer to F-Sheet for locations. Refer to 8.05 for detail on sanitary sewer plug.

1200-322
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
4.03	4020-A-1	STORM SEWER, TRENCHED, RCP, 15 IN, DIA. Refer to the D-Sheets for location and details. RCP storm sewer joints shall be wrapped with engineering fabric per SUDAS Figure 4020.211. Class H-3 embedment is required for all RCP storm sewer
4.04	4020-H	REMOVAL OF STORM SEWER
4.05	4020-I	STORM SEWER ABANDONMENT, PLUG Refer to F-Sheets for locations. Refer to 8.05 for detail on storm sewer plug.
4.06	4020-999-A	REPLACE CONCRETE FILLET Refer to the I-Sheets for locations and details. Measurement and payment will be per invert reshaped. Payment is for full compensation of all work including; cleaning current invert, bypass pumping (if needed), concrete, and all labor necessary to complete work according to the contract documents. Contactor is responsible for removing all false work once item is complete.
4.07	4030-B	PIPE APRON, RCP, 15 IN. DIA.
4.08	4030-D	PIPE APRON GUARD Refer to the D-Sheets for location and details. Install pipe apron guard per SUDAS Figure 4030.224.
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM
6.01	6010-B	INTAKE, SW-506 Refer to the D-Sheets for location and details.
6.02	6010-E	MANHOLE ADJUSTMENT, MINOR Refer to the D-Sheets and F-Sheets for locations. This will include the installation of a SELF-LEVEL casting by E1 or an engineer approved equal. Refer to 8.04 for SELF-LEVEL casting information and details. Phase 1: 3 Phase 2: 0 Phase 3: 2
6.03	6010-F	MANHOLE ADJUSTMENT, MAJOR Refer to D-Sheets and F-Sheets for locations. All manholes need to be adjusted to 12.0" above finished ground. This needs to be accomplished using a new cone, barrel, or riser section. Contractor needs to apply sealant over joints on the outside of the sanitary sewer manholes and chimney seals on the chimney to help prevent infiltration of water. All manholes shall be marked with a T-Post. Refer below for casting replacement instructions. Manhole adjustment "A" will include replacing the existing casting with a type E casting as described in SUDAS Figure 6010.502. Phase 1: 0 Phase 2: 0 Phase 3: 2 Manhole adjustment "B" is the adjustment of a sanitary manhole. This will include replacing the existing casting with a Type E Casting, refer to SUDAS Figure 6010.601. Phase 1: 0 Phase 2: 2 Phase 3: 10 Manhole adjustment "C" is for the adjustment of a storm manhole. Storm sewer casting to be a Type G, refer SUDAS Figure 6010.602. Phase 1: 1 Phase 2: 0 Phase 3: 0
6.04	6010-F	INTAKE ADJUSTMENT, MAJOR, AREA INTAKE Refer to D & F-Sheets for locations. Intakes to be adjusted will include the removal of the existing casting, top, & adjustment rings. Then installing a new top as shown in SUDAS Figure 6010.404. Utilize a Type 3M casting as shown in SUDAS Figure 6010.604.
6.05	6010-F	INTAKE ADJUSTMENT, MAJOR Refer to F-Sheets for locations. Intakes to be adjusted will include the removal of the existing casting and top and installing a new manhole top as described in SUDAS Figure 6010.402 and a Type K casting as described in SUDAS Figure 6010.602.
6.06	6010-H	REMOVE MANHOLE, SANITARY & STORM
6.07	6010-H	REMOVE INTAKE Refer to F-Sheets for locations.
	DIVISION 7	STREETS AND RELATED WORK
7.01	7010-A	PAVEMENT, PCC, 6 IN. Refer to 8.03 for jointing layout and D-Sheets for elevation information. All joints shall be a narrow 1/8 inch wide saw cut to the depths indicated on Detail D-1 of SUDAS Figure 7010.101. Pavement protection shall comply with SUDAS Section 7010, 3.04. Protection of concrete and alterations to ready-mix due to weather conditions shall be considered incidental to this item. Water valve minor adjustments are considered incidental to this bid item.
7.02	7010-G	CURB AND GUTTER, 2.5 FT, 6 IN. Refer to SUDAS Figure 7010.102 for details. The use of a 6" Standard Curb will be implemented and a Driveway Drop Curb where needed. Curb and gutter section will be 2.5' in width.

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ROADWAY REMOVAL

QUANTITIES, ESTIMATE REFERENCE, TABULATIONS, AND NOTES

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DRAWN BY	jriley
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FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND DETAILS DATE	PIH Init PIH DATE
70 PERCENT REVIEW DETAILS DATE	70% Init 70% DATE
95 PERCENT REVIEW DETAILS DATE	95% Init 95% DATE
REVISIONS	

C.02

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By: jriley

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1200-322
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
7.03	7010-E	PAVEMENT, HMA, 4.0 IN. Refer to the D-Sheets for locations and details.
7.04	7010-R	REMOVAL OF CURB Refer to the D &F-Sheets for locations and details.
7.05	7010-C	SHARED USE PATH, PCC, 6 IN. Trail shall meet American with Disabilities Act (ADA) Accessibility Guidelines. Trail placed that does not meet ADA Specifications is the contractor's responsibility to remove and reinstall within compliance.
7.06	7010-E	SIDEWALK, PCC, 4 IN. Sidewalk shall meet American with Disabilities Act (ADA) Accessibility Guidelines. Sidewalk placed that does not meet ADA Specifications is the contractor's responsibility to remove and reinstall within compliance.
7.07	7010-E	DETECTABLE WARNINGS Detectable warnings (truncated domes) shall be metal panels following specifications in Iowa DOT Materials I.M. 451. Precast concrete modular pavers and stamps are not permitted. Detectable warnings shall meet American with Disabilities Act(ADA) Accessibility Guidelines. Install per manufacturer's recommendations in plastic concrete.
7.08	7040-A	FULL DEPTH PATCHES
7.09	7040-C	PARTIAL DEPTH PATCHES
7.1	7040-D	CRACK AND JOINT SEALBONE AND FILLING, HOT POUR Refer to the F-Sheets for locations of patches and crack filling. Contractor responsible for protecting adjoining pavement. Areas of pavement rehabilitation are to be approved by the Engineer prior to construction.
7.11	7040-H	PAVEMENT REMOVAL Refer to the F-sheets for locations. Unit price includes full-depth sawcutting the existing pavement at limits of removal, removing, transporting, disposing of removed pavement from the project site, and associated work. All removed pavement shall become the property of the Contractor. Protect all water valves and sanitary sewer manholes unless otherwise noted in the F-Sheets. Existing pavement assumed to be 8.0 inches thick. Approximate length of sawcuts needed to execute plans are as follows: Phase 1: 3,750 LF Phase 2: 50 L/ Phase 3: 315 /F
	DIVISION 8	TRAFFIC CONTROL
8.01	8010-999-A	REMOVE, SALVAGE, AND REINSTALL SIGN Location of sign removal is called out in the F-Sheets and the reinstallation location of signs are called out in the D-Sheets. Mounting hardware and sign posts required to install sign is considered incidental to this bid item. Measurement and payment is per each sign removed, salvaged, and reinstalled.
8.02	8010-999-B	REMOVE AND SALVAGE SIGN Refer to F-Sheet for location details. Signs regarding to "County Park Boundary" shall be returned to Polk County Conservation. All other signs that are not being reinstalled shall be returned to the City of Des Moines. Any sign posts and mounting hardware removed shall become property of the contractor. Measurement and payment is per each sign removed and salvaged.
8.03	8010-999-C	OBJECT MARKER, OM1-3 Refer to D-Sheet for locations. Refer to City of Des Moines' supplemental specification for signing, "Signing and Marring Design Standards and Policies," effective March 2014. Mounting hardware required to install sign is considered incidental to this bid item. Sign will be installed on the same sign post as Left Turn Ahead (W1-1) and Right Turn Ahead (W1-4) signs. Measurement and payment is per each object marker sign installed.
8.04	8010-999-D	TYPE A SIGNS, SHEET ALUMINUM Refer to D.03 for location and details. Method of Measurement: Calculated in square foot of sign area completed in place based on the nominal dimensions of the signs. The area of all regular, rectangular, triangular, octagonal, and circular shaped Type A signs will be measured from the nominal given dimensions. Cutouts for rounded corners, and so forth, will not be deducted. The area of all irregularly shaped Type A signs, such as U.S. and Interstate route markers, will be measured from the dimensions of a circumscribed rectangle around the route marker. Basis of Payment: Per square foot of sign area. Payment is full compensation for furnishing, fabricating, and erecting the signs complete, including furnishing of the blank, application of reflective sheeting, application of the screened message, and all mounting hardware.
8.05	8010-999-E	INSTALL TYPE A SIGN Refer to D.03 for locations and details. Measurement and payment is per each Type A Sign installed. All mounting hardware, posts, and anchors to install the signs are considered incidental to this bid item.
8.06	8010-999-F	48.0 IN. FLEXIBL DELINEATOR ASSEMBLIES Refer to the D-Sheets for locations. Delineators are to be installed 2.0' from back of detectable warning to center of delineator. All materials for installation of delineator is considered incidental to the bid item. Item is measured and paid for by each assembly which includes three delineator posts.

1200-322
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
8.07	8010-999-G	TRAIL CLOSED GATE Refer to the D-Sheets for location details. Refer to B.02 for details on gate and trail closed sign. Gate to be placed at a 5.0 foot offset from the Flexible Delineator Assemblies. All materials and labor needed for installation of the gate and sign are considered incidental to this bid item. Measurement and payment is per each gate assembly installed.
8.08	8010-999-H	PERMANENT ROAD CLOSURE - URBAN Refer to the D-Sheets for locations and details. Refer to Iowa DOT Standard Road Plan SI-182 for further information. Measurement and payment is per each closure installed. All signs, posts, mounting hardware, and anchors described in SI-182 that are required to install the Road Closure are considered incidental to this bid item. The "Dead End" Signs will be paid under bid item 8.04 and 8.05.
8.09	8030-A	TEMPORARY TRAFFIC CONTROL The item shall be measured and paid in accordance with SUDAS Section 8030 for temporary control of traffic. Lump sum price includes furnishing, erecting, operating, maintaining, moving, and removing all traffic control devices as described in the plans and as directed by the Engineer. Item does not include permanent traffic sign. Safety closures for protecting pedestrians and vehicles from the work area are incidental to this item. Item includes flaggers as required to protect workers and the traveling public which shall be incidental to this item. Item includes temporary construction closures, pedestrian path closures, and safety closures as needed to keep vehicular and pedestrian traffic safe during construction. Bid item includes all vehicular pedestrian traffic control, including barricades. Refer to the D and F-Sheets for staging. All signs shall conform to the "Manual on Uniform Traffic Control Devices For Streets and Highways" as adopted by the Iowa Department of Transportation per 761 of the Iowa Administrative Code (IAC) Chapter 130. Refer to C.03 for any additional traffic control notes and for staging notes.
	DIVISION 9	SITE WORK AND LANDSCAPING
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY) Refer to the F-Sheets for locations. Seeding quantity determined at 10 feet beyond the limit of pavement being removed. Seeding is to be a Native Prairie Mix which will be supplied by Polk County Conservation. Straw mulch is to be applied to areas where permanent seed was placed. Refer to SUDAS Specification 9010.2.07 for application and specifications of straw mulch. Furnishing and installing straw mulch is considered incidental to this bid item.
9.03	9040-F-1	WATTLE, STRAW, 12 IN. DIA. Refer to B.01 for location and details. Removal of wattles is not required as part of this contract. Install per SUDAS Figure 9040.105.There is extra wattles quantified for each phase to allow contractor to protect storm intakes.
9.02	9040-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING Refer to SUDAS Specification 9010 for seed mixtures. Use a Type 5 (Rural Temporary Erosion Control Mixture). Implement the use of a Bonded Fiber Matrix mulch for hydraulic seeding. Seed to be placed on the stockpile between Phases 2 and 3, and at the end of Phase 3.
9.04	9060-I	REMOVAL OF FENCE Refer to the F-Sheets for locations.
9.05	9060-999-A	REMOVAL OF FENCE POSTS, WOODEN Refer to F-Sheets for locations. Posts are located along Four Mile Drive. Removed posts are to become property of the contractor. Approximately 245 posts located along Four Mile Drive, all to be removed during phase one.
	DIVISION 10	DEMOLITION
10.01	10,010-999-A	REMOVAL OF DEBRIS This bid item includes the removal and disposal of debris located within the project corridor. This also includes the removal of TBR and road closed signs located at the intersections of Four Mile Drive & E Jefferson Ave, Four Mile Drive & E 39th Street, E Hull Ave & E 35th Street, and E 35th Street & E Sheridan Ave. The TBR are to be relocated to E 36th Ct (Phase 2). Excess TBR and road closed signs are to be salvaged and returned to the City of Des Moines.
	DIVISION 11	MISCELLANEOUS
11.01	11,010-A	MOBILIZATION
11.02	11,050-A	CONCRETE WASHOUT
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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

QUANTITIES, ESTIMATE REFERENCE, TABULATIONS, AND NOTES

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-C03.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND DETAILS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW DETAILS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW DETAILS / DATE	95% Init / 95% DATE
REVISIONS	

C.03

CLEARING, GRUBBING, GRADING & EMBANKMENT

ALL LIGHT POLES, UTILITIES, MAILBOXES, AND TREES SHALL BE PROTECTED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL NOTIFY THE ENGINEER AND DISCUSS ANY ITEMS THAT MAY NEED TO BE PRESERVED AND PROTECTED FROM CLEARING AND GRUBBING. SUCH PRESERVATION SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.

REMOVE, SALVAGE, AND REINSTALL FENCES AND SIGNS NECESSARY FOR CONSTRUCTION AS DIRECTED BY ENGINEER. DAMAGED SIGNS SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

ALL HOLES RESULTING FROM OPERATIONS OF CONTRACTOR, INCLUDING REMOVAL OF GUARDRAIL POSTS, FENCE POSTS, UTILITY POLES, SOIL BORINGS, ETC. SHALL BE FILLED AND COMPACTED TO FINISHED GRADE AS DIRECTED BY ENGINEER TO PREVENT FUTURE SETTLEMENT. VOIDS SHALL BE FILLED AS SOON AS PRACTICAL, PREFERABLY THE DAY CREATED BUT NO LATER THAN THE FOLLOWING DAY. ANY PORTION OF THE RIGHT-OF-WAY OR PROJECT LIMITS (INCLUDING BORROW AREAS AND OPERATION SITES) DISTURBED BY ANY CONSTRUCTION WORK SHALL BE RESTORED TO AN ACCEPTABLE CONDITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS IN THE PROJECT. ANY HOLES OR TRENCHES THAT ARE OPEN AT THE END OF THE DAY'S WORK MUST BE FENCED WITH SAFETY FENCE (INCIDENTAL).

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIAL (EXCAVATED MATERIAL, BROKEN CONCRETE, VEGETATION OR PAVEMENTS) WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED ON THIS PROJECT. NO PAYMENT FOR OVERHAUL OR DUMPING FEES WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES. NO MATERIAL WILL BE PLACED WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY STATED IN THE PLANS OR APPROVED BY THE ENGINEER.

CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM ANY PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

CONTRACTOR SHALL CONFINE THEIR GRADING OPERATIONS TO THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS UNLESS AUTHORIZED BY THE ENGINEER TO DO OTHERWISE. CONTRACTOR SHALL COMPENSATE PROPERTY OWNER FOR DAMAGES WHICH THEY CAUSE OUTSIDE AUTHORIZED LIMITS. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PRESERVE AND PROTECT ANY FENCES AND TREES, WITHIN THE CONSTRUCTION LIMITS, WHICH MAY BE REQUIRED TO REMAIN BY THE OWNER. CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS.

IF CONTRACTOR FAILS TO CONTROL EROSION, POLLUTION AND/OR SILTATION, OWNER RESERVES THE RIGHT TO EMPLOY OUTSIDE ASSISTANCE TO PROVIDE THE NECESSARY CORRECTIVE MEASURES. SUCH INCURRED COSTS PLUS PROJECT ENGINEERING COSTS WILL BE CHARGED TO THE CONTRACTOR, AND APPROPRIATE DEDUCTIONS WILL BE MADE FROM THE CONTRACTOR'S MONTHLY PROGRESS ESTIMATE. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE CONSTRUCTION SITE FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREA(S) WILL BE SUBJECT TO THE APPROVAL OF ENGINEER AND OWNER.

UTILITIES - GENERAL

LOCATIONS OF BURIED UNDERGROUND FACILITIES ARE APPROXIMATE, ENGINEER DOES NOT WARRANT, EITHER EXPRESSLY OR BY IMPLICATION, THE ACCURACY OF THE LOCATIONS SHOWN. EXACT LOCATION AND ELEVATION OF ALL UTILITIES SHALL BE DETERMINED BY CONTRACTOR AT THE TIME OF CONSTRUCTION. IT SHALL BE THE DUTY OF CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY BE PRESENT. ENGINEER MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL UTILITIES IN THE AREA.

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF THE ACTUAL STARTING DATE OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH EACH COMPANY THE ACTUAL UTILITY LOCATION IN THE FIELD AND WHICH UTILITY LINES MUST BE ADJUSTED. CONTRACTOR SHALL USE CAUTION IN WORKING NEAR ALL UTILITY LINES. UTILITIES DAMAGED DUE TO THE OPERATIONS OF THE CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.

CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETE.

TRENCH, BACKFILL & TUNNELING

CONTRACTOR SHALL SUBMIT GRADATION REPORTS FOR FILL AND BEDDING MATERIALS PRIOR TO USE IN THE PROJECT.

CONTRACTOR SHALL LIMIT THE LENGTH OF OPEN TRENCH AT ANY GIVEN TIME. NO MORE THAN APPROXIMATELY 300 FEET OF OPEN TRENCH WILL BE ALLOWED PRIOR TO BACKFILLING. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM CITY FOR VARIANCES FROM THIS OPEN TRENCH REQUIREMENT.

COMPACTION TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

STREETS & RELATED WORK

UNLESS OTHERWISE INDICATED IN ESTIMATE OF QUANTITIES AND ESTIMATE REFERENCE INFORMATION, ALL MAINLINE STREET PAVING CONCRETE SHALL BE C-SUD MIX.

CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST DURING THE CONCRETE JOINT SAWING PROCESS. CONTRACTOR SHALL ENSURE THAT ALL CORNERS OF FIXTURES, INTAKES, ETC. ARE CONTROLLED WITH AN APPROPRIATE JOINT.

ESTIMATED QUANTITY FOR NEW CONCRETE PAVEMENT INCLUDES ALL INTEGRAL CURB, ALL STREET RETURNS AND SPECIAL AREAS OF REPAIRS TO CONNECTING PAVEMENTS.

SPECIAL CARE SHALL BE TAKEN WHEN FORMING AT INTERSECTIONS SO THAT THE PROFILES AND ELEVATIONS SHOWN ON THE CROSS SECTIONS, STREET RETURN PROFILE SHEETS, AND STAKING DIAGRAM SHEETS ARE OBTAINED. SHORT LENGTHS OF FORMS OR FLEXIBLE FORMS MAY BE NECESSARY AT THESE LOCATIONS. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO ANY PAVING WORK IF POSITIVE DRAINAGE IS IN QUESTION. THE INTENT OF THE DRAWINGS IS TO ENSURE POSITIVE DRAINAGE IN ALL SITUATIONS. IF POSITIVE DRAINAGE DOES NOT OCCUR AT SPECIFIC LOCATIONS, CONTRACTOR SHALL REPAIR, INCLUDING THE REMOVAL AND REPLACEMENT OF PAVEMENT, TO ACHIEVE POSITIVE DRAINAGE. CONTRACTOR WILL BE REQUIRED TO PAY ALL COSTS ASSOCIATED WITH THE NEEDED REPAIR.

REMOVE THE EXISTING PAVEMENT TO THE NEAREST EXISTING JOINT OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL DOUBLE SAW CUT ALL EDGES AT NO ADDITIONAL COST TO THE OWNER.

EXERCISE CARE WHEN PERFORMING ANY SAWCUTTING OR PAVEMENT REMOVAL. PROTECT THE ADJACENT STREET FROM DAMAGE. REMOVE AND REPLACE ANY DAMAGED AREAS WHICH ARE NOT INCIDICATED FOR REMOVAL AT NO COST TO THE OWNER.

GENERAL

ALL CONSTRUCTION IS SUBJECT TO OBSERVATION BY ENGINEER AND/OR OWNER. CONTRACTOR SHALL NOTIFY ENGINEER, OWNER, AND UTILITY COMPANIES 1 WEEK PRIOR TO START OF CONSTRUCTION.

ALL CONSTRUCTION METHODS, PROCEDURES AND MATERIALS PROPOSED TO BE USED FOR THIS PROJECT SHALL COMPLY WITH THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS). ANY ALTERNATE PROPOSED TO BE USED BY CONTRACTOR SHALL BE APPROVED BY THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS FROM THE OWNER, AS APPLICABLE, PRIOR TO ANY CONSTRUCTION WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

IF ARCHAEOLOGICAL REMAINS ARE UNCOVERED ON THE PROJECT, CONTRACTOR WILL NOTIFY ENGINEER IMMEDIATELY.

IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.

SIDEWALKS, DRIVEWAYS, & RELATED WORK

GRADING TO MEET DEVIATIONS IN DRIVEWAYS AND SUBGRADE PREPARATION FOR CONCRETE SIDEWALKS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

WHERE REMOVAL OR REPLACEMENT OF DRIVEWAYS IS REQUIRED, CONTRACTOR SHALL REMOVE AND REPLACE TO THE NEAREST EXISTING JOINT. FULL-DEPTH SAW-CUT ALL EXISTING PAVEMENTS AT REMOVAL BOUNDARY. CONTRACTOR WILL REMOVE AND REPLACE THE MINIMUM AMOUNT OF SIDEWALK NECESSARY TO MEET OR SURPASS THE REQUIREMENTS SET FORTH IN THE SPECIFICATIONS, CONSTRUCTION DRAWINGS, OR CITY OF ANKENY DESIGN STANDARDS, WHICHEVER IS MOST RESTRICTIVE.

SIDEWALKS AND SIDEWALK RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE JULY 26, 2011 PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, (PROWAG). THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) HAS ISSUED GUIDANCE THAT THE CURRENT DRAFT VERSION OF THE PROWAG CAN BE CONSIDERED STATE OF THE PRACTICE. STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) STANDARDS ARE BASED UPON THE PROWAG REQUIREMENTS.

TEMPORARY TRAFFIC CONTROL

ALL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION.

IT SHALL BE CONTRACTOR'S RESPONSIBILITY FOR PROPER BARRICADING AND ADEQUATE PROTECTION OF ALL OPEN TRENCHES AND OTHER EXCAVATIONS, OBSTRUCTIONS, SUCH AS MATERIAL PILES AND EQUIPMENT, SHALL BE PROVIDED WITH WARNING SIGNS, BARRICADES AND LIGHTS. ALL BARRICADES AND OBSTRUCTIONS SHALL BE ILLUMINATED BY MEANS OF WARNING LIGHTS FROM SUNSET TO SUNRISE OR WHEN ANY OTHER LOW LIGHT CONDITIONS EXIST. MATERIAL STORED UPON OR ALONGSIDE PUBLIC STREETS SHALL BE SO PLACED AND THE WORK SHALL AT ALL TIMES BE SO CONSTRUCTED AS TO CAUSE THE MINIMUM OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC AND TO LOCAL RESIDENTS.

CONTRACTOR SHALL MAINTAIN AT LEAST ONE (1) ACCESS TO ALL BUSINESSES, INDUSTRIES AND RESIDENCES DURING NORMAL WORKING HOURS BY STAGING WORK ACCORDINGLY. COORDINATE CONSTRUCTION AT PRIVATE PROPERTY WITH THE OWNER AND THE ENGINEER.

STAGING NOTES

THE PROJECT IS DESIGNED TO BE COMPLETED IN THREE (3) DIFFERENT PHASES. PHASING LIMITS CAN BE FOUND IN D.01 AND THE F-SHEETS. THE CONTRACTOR IS TO STICK TO THE PHASING PLAN FOR BUGETARY REASONS AND ANY VARIATION IS TO BE APPROVED BY THE ENGINEER.

NOTE:
NEITHER THE OWNER (POLK COUNTY CONSERVATION) NOR JEO CONSULTING GROUP, INC. (ENGINEER) ASSUMES ANY RESPONSIBILITY FOR UTILITY LOCATIONS BEING ACCURATELY SHOWN OR NOT SHOWN ON THE PLANS. A REQUEST FOR UTILITY LOCATES WAS MADE FOR THIS PROJECT PURSUANT TO THE ONE-CALL NOTIFICATION SYSTEM ACT.

UTILITIES SHOWN ARE FROM FIELD MARKINGS PROVIDED IN THE FIELD BY THE UTILITY PROVIDERS.

THE EXACT LOCATION AND/OR SIZE OF UNDERGROUND FEATURES MAY NOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. FIELD VERIFICATION OF UTILITIES MAY BE REQUIRED, CONTRACTOR(S) SHALL NOTIFY THE RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING ANY WORK.

PROJECT CONTACTS

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

GENERAL NOTES

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-C04.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS	PIH Init
PLAN IN HAND DATE	PIH DATE
70 PERCENT REVIEW INITIALS	70% Init
70 PERCENT REVIEW DATE	70% DATE
95 PERCENT REVIEW INITIALS	95% Init
95 PERCENT REVIEW DATE	95% DATE
REVISIONS	

C.04

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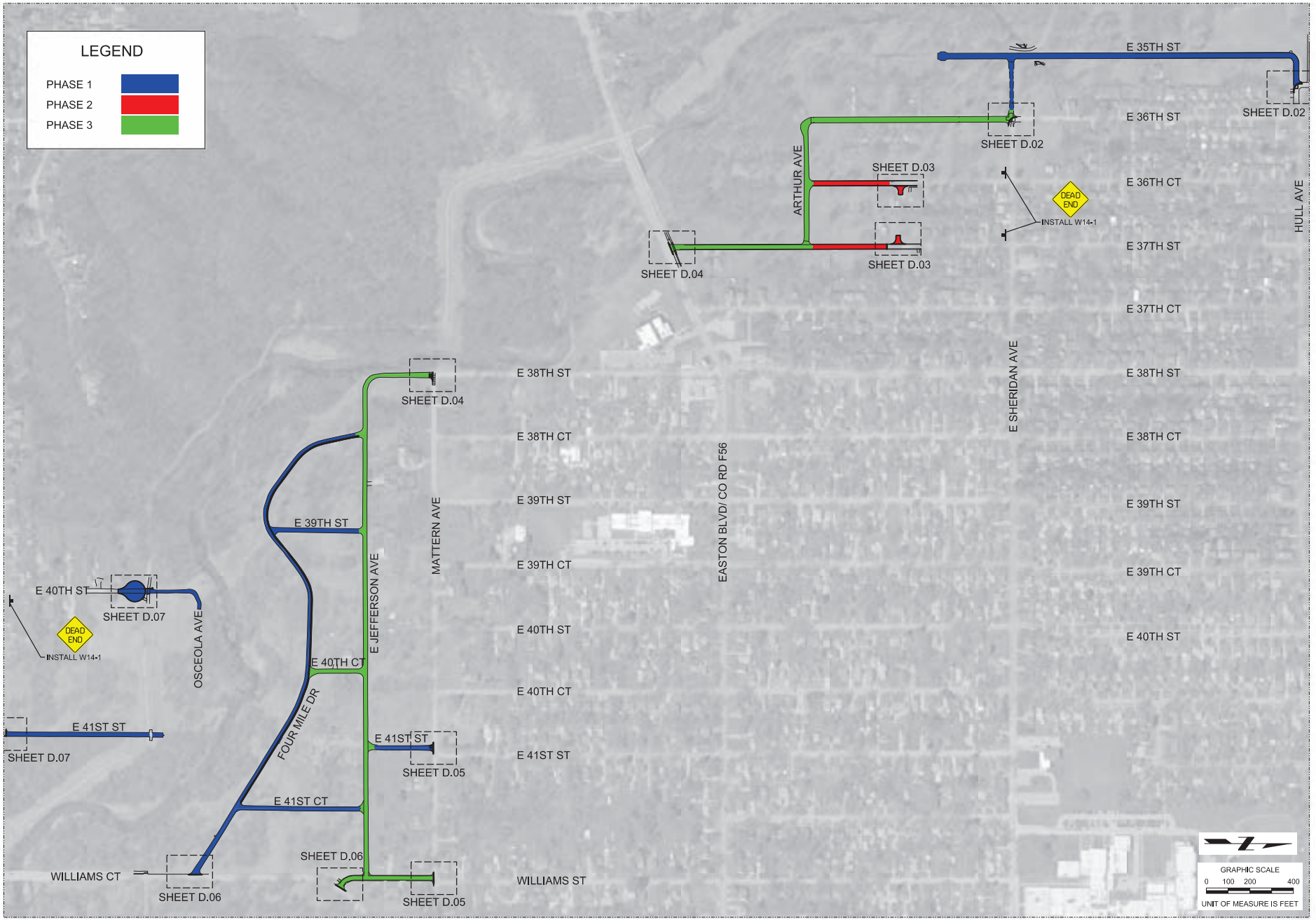
Print Date/Time: 9/30/2021 11:22:1 AM By: jriley



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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

PLAN VIEW LAYOUT

PROJECT NO.	20454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-D01.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
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REVISIONS	

D.01

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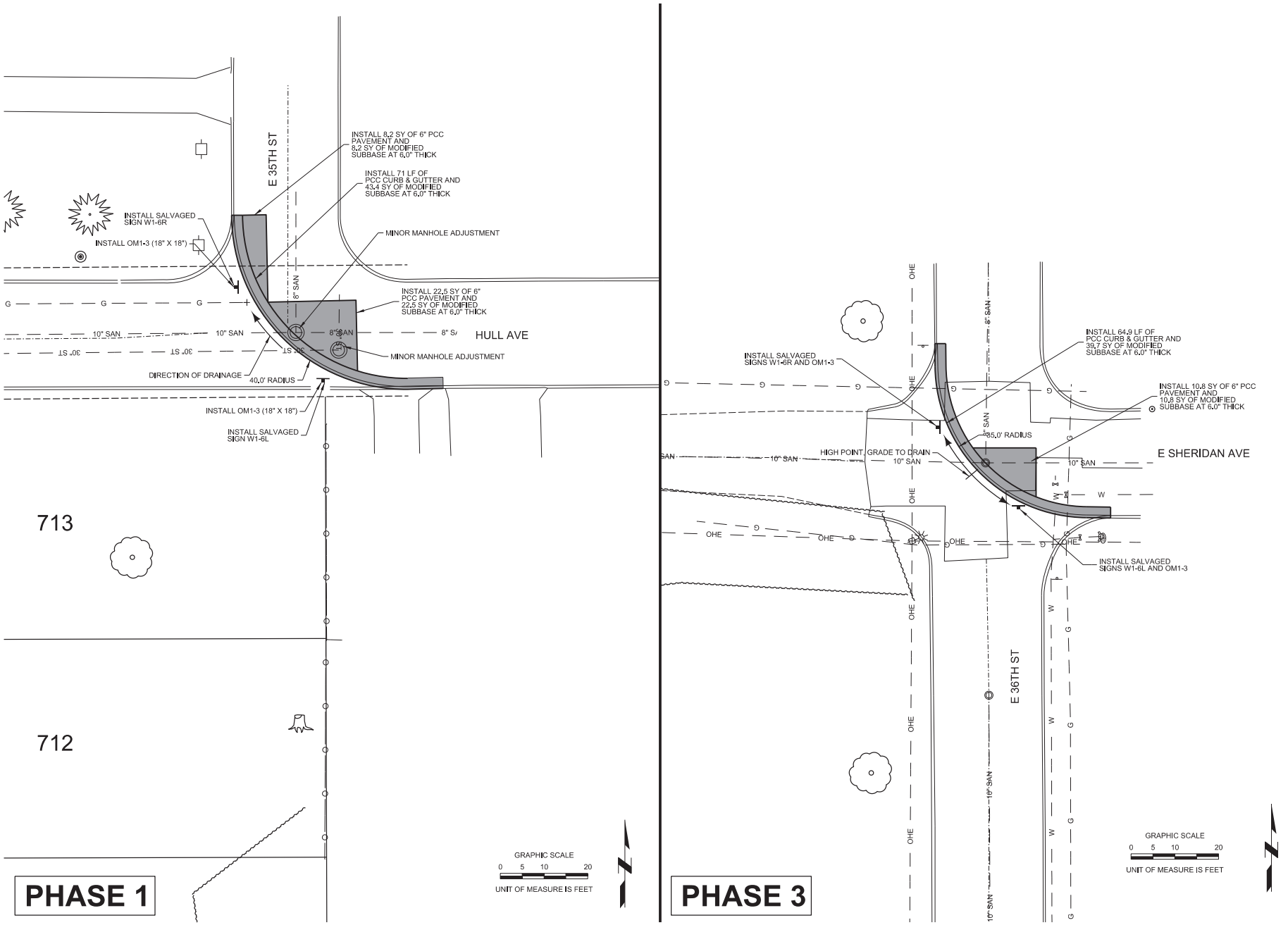
By: jriley



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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

PLAN VIEW

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-D02.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
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REVISIONS	

D.02

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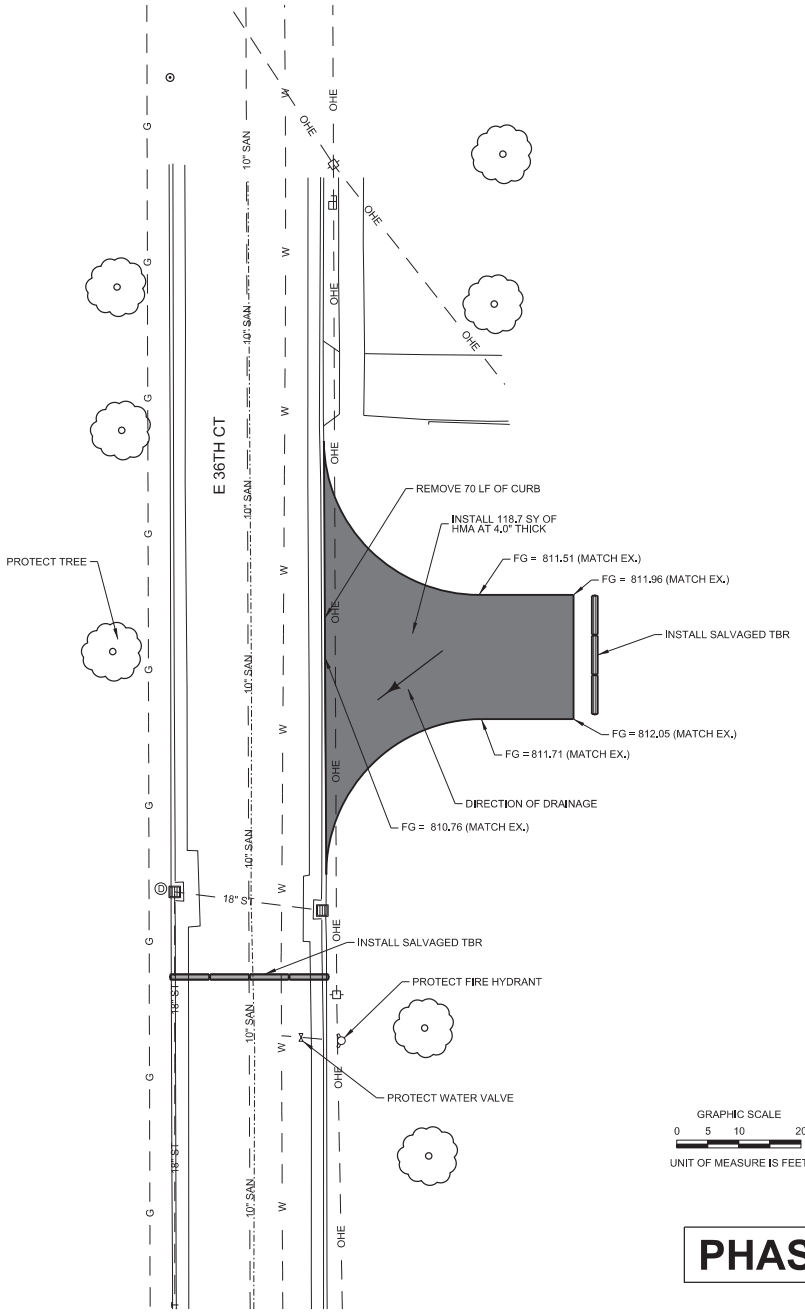
By: jriley



GRAPHIC SCALE
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UNIT OF MEASURE IS FEET

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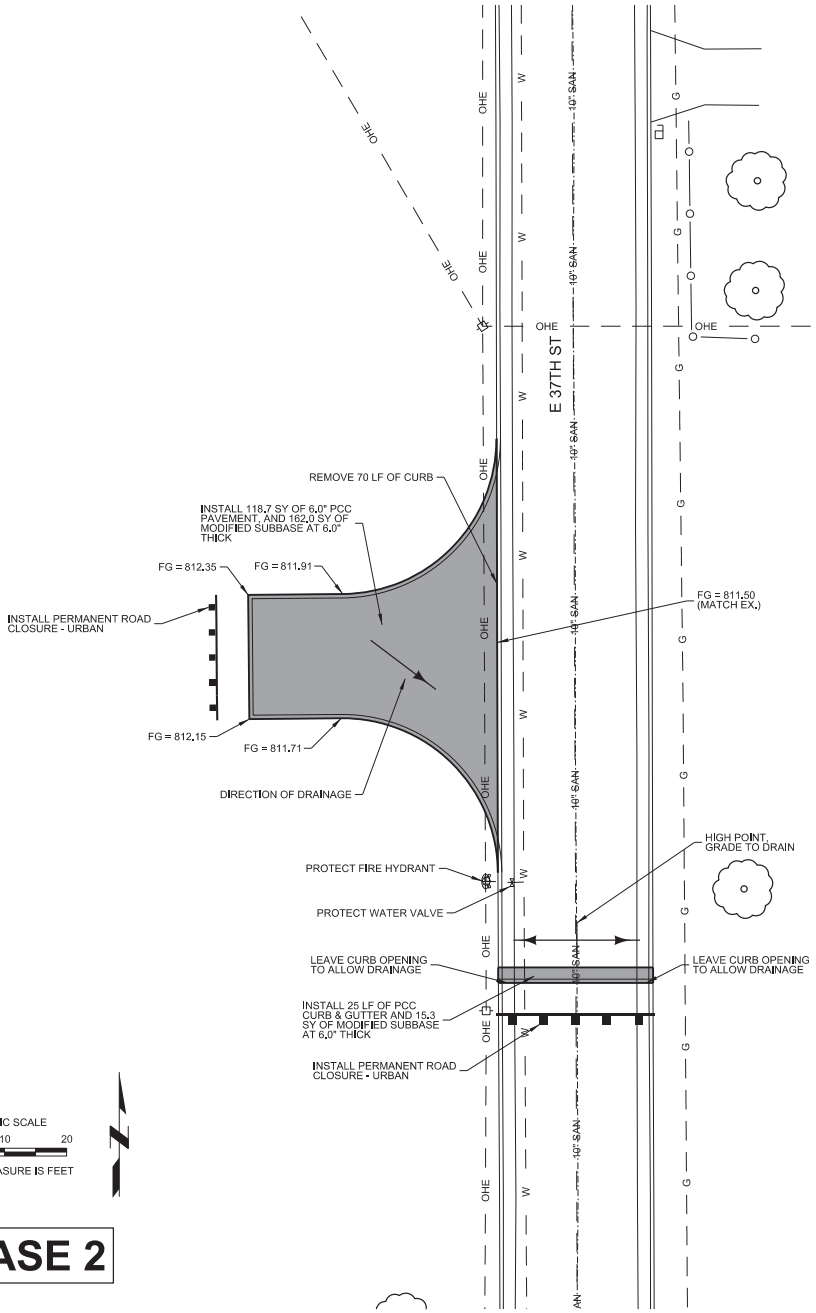
PHASE 2



GRAPHIC SCALE
0 5 10 20
UNIT OF MEASURE IS FEET

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PHASE 2

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POLK COUNTY CONSERVATION FOURMILE CREEK ROADWAY REMOVAL

PLAN VIEW

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-D03.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
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REVISIONS	

D.03

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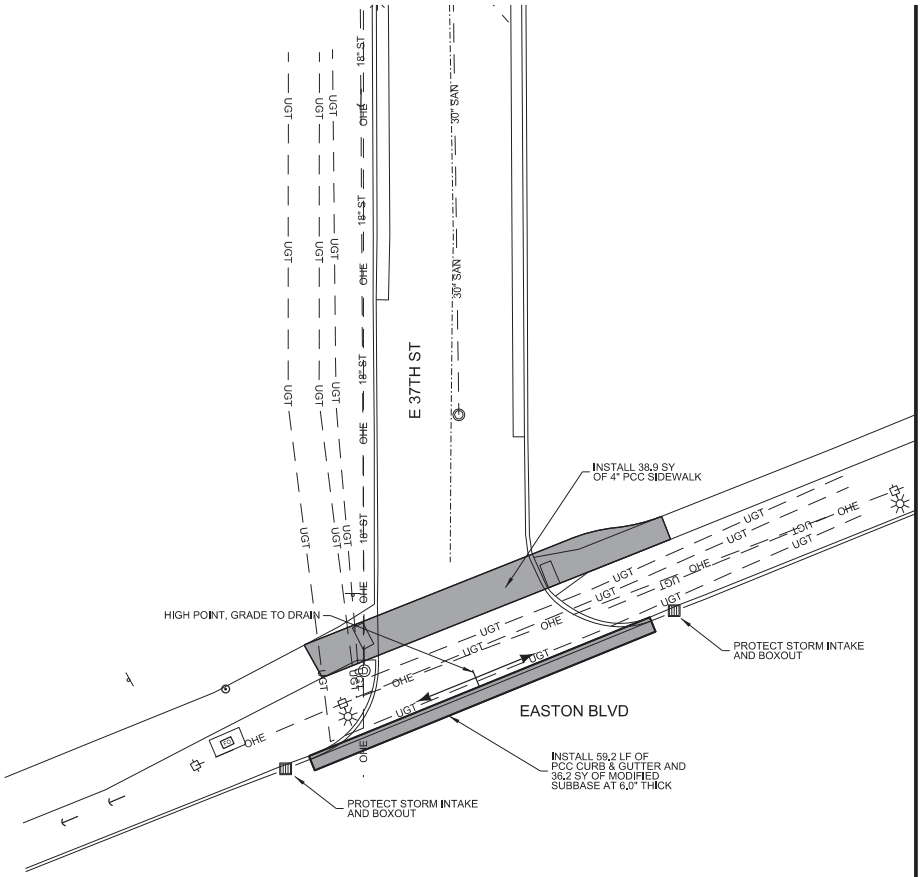
By: jriley



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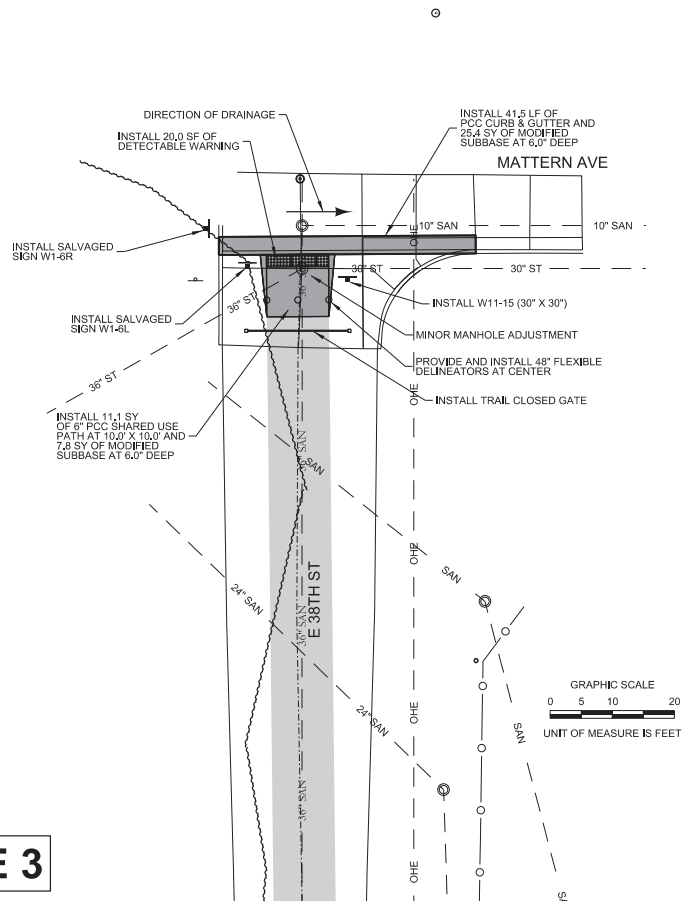

PHASE 3

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POLK COUNTY CONSERVATION FOURMILE CREEK ROADWAY REMOVAL

PLAN VIEW

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-D04.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
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REVISIONS	

D.04

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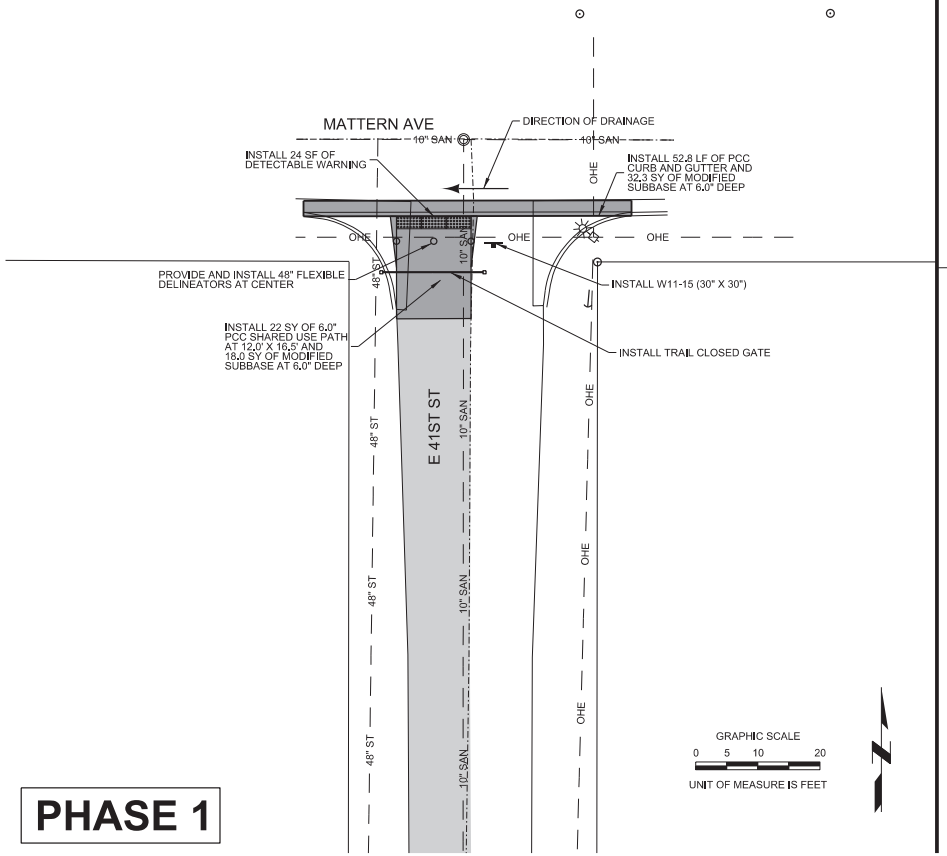
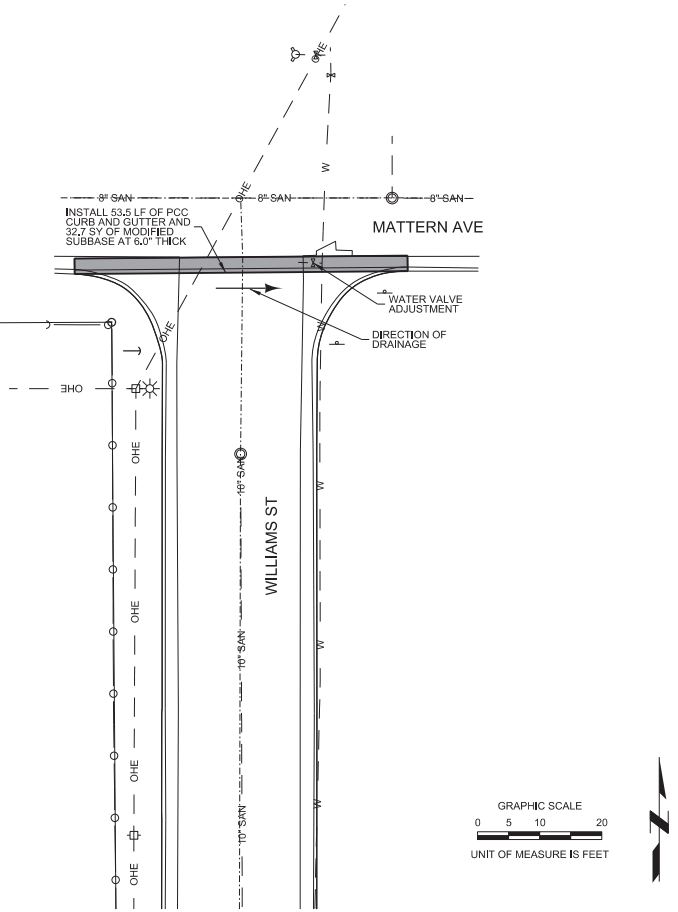


PHASE 1



PHASE 3

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POLK COUNTY CONSERVATION FOURMILE CREEK ROADWAY REMOVAL

PLAN VIEW

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-D05.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
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REVISIONS	

D.05

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Print Date/Time: 9/30/2021 8:28:30 AM
By: jriley

File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\ROADWAY\S-200454-D06.dgn
Print Date/Time: 9/30/2021 11:26:07 AM By: jriley
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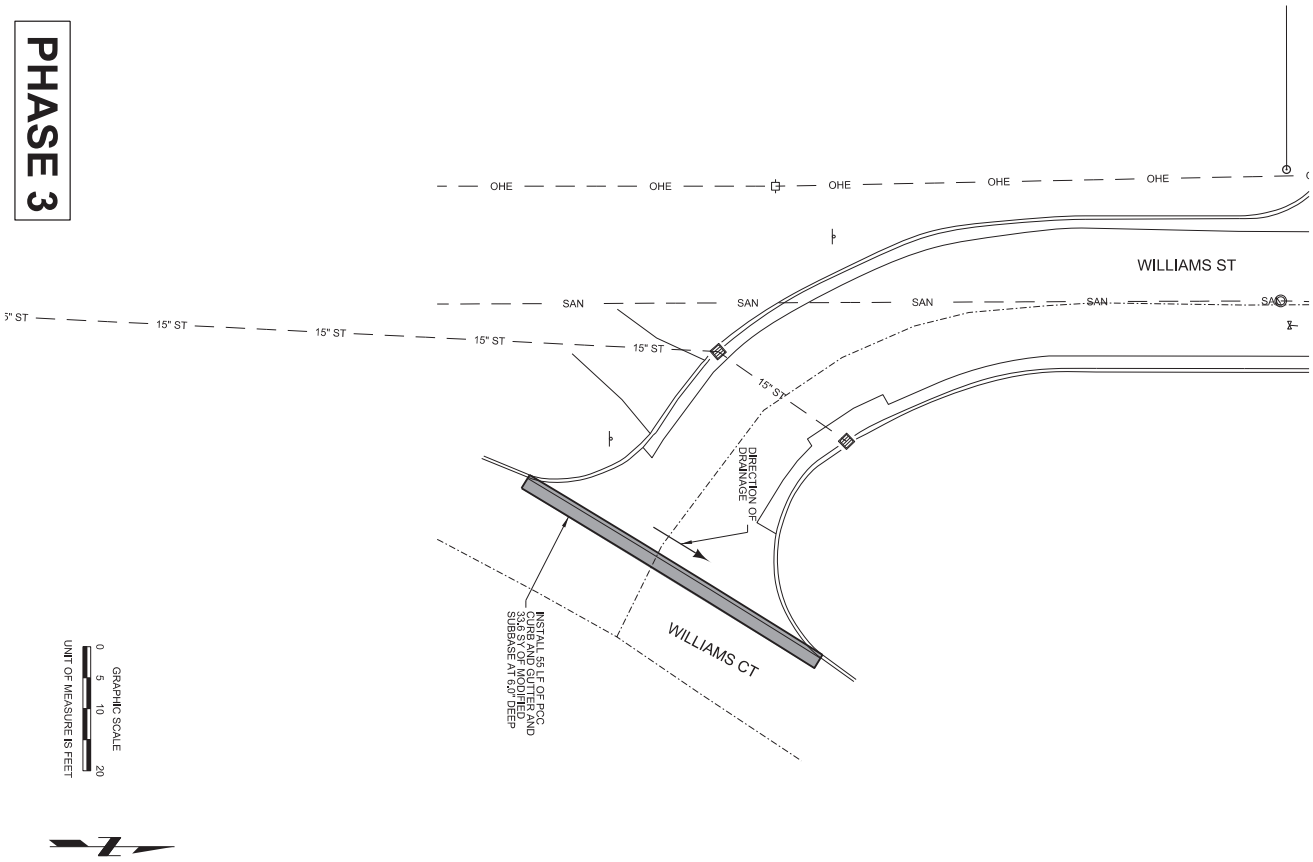

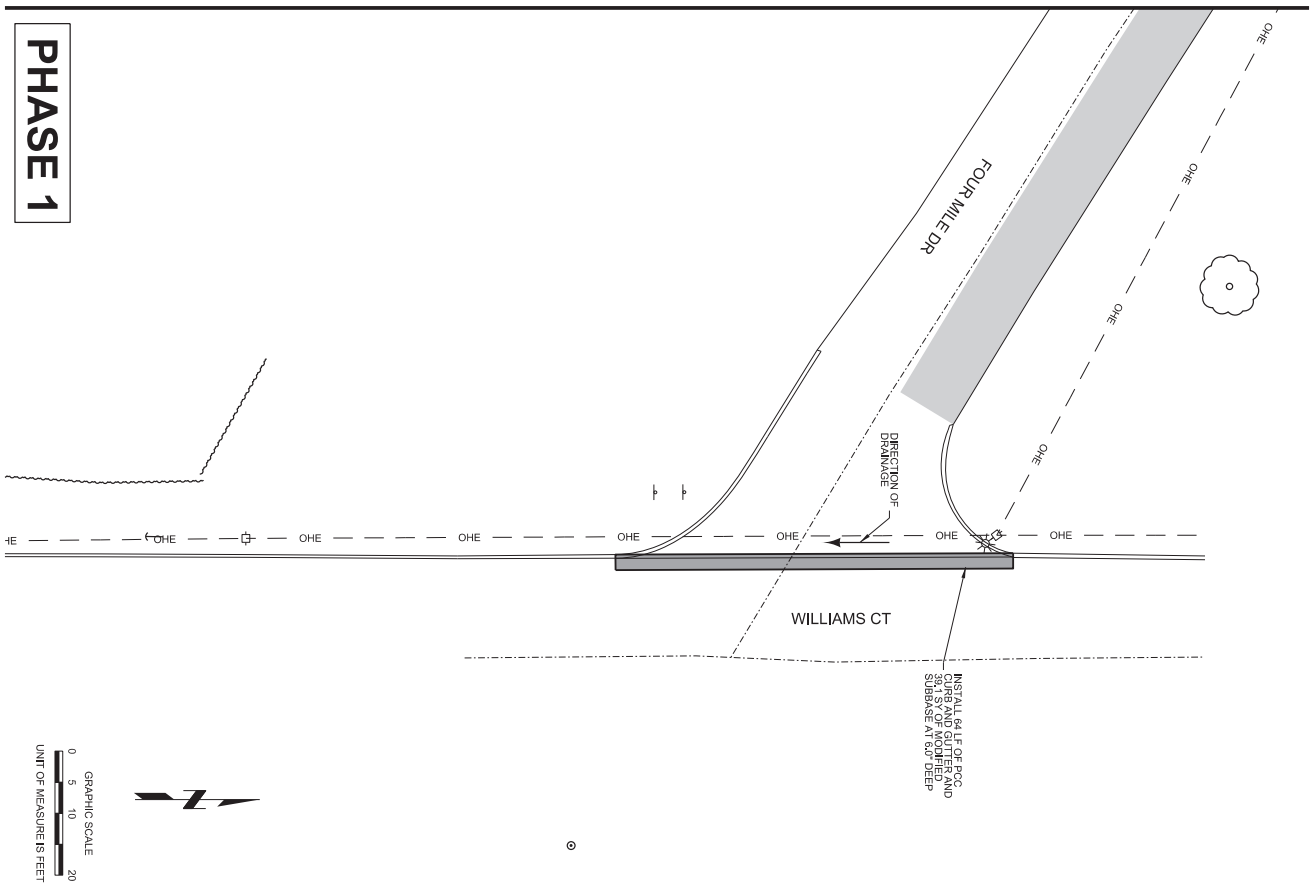

PROJECT NO. 200454.00
DATE 9/30/2021
DRAWN BY jriley
FILE NAME S-200454-D06.dgn
FIELD BOOK FIELDBOOK
FIELD CREW FC: INI
SURVEY FILE NO. SURVEY FILE: INI
PLAN IN HAND DATE PIH: INI
75% PRELIMINARY DATE 75%: INI
90% PRE-FINAL REVIEW DATE 90%: INI
REVISIONS

D.06

PLAN VIEW

POLK COUNTY CONSERVATION FOURMILE CREEK ROADWAY REMOVAL

JEO CONSULTING GROUP, INC.
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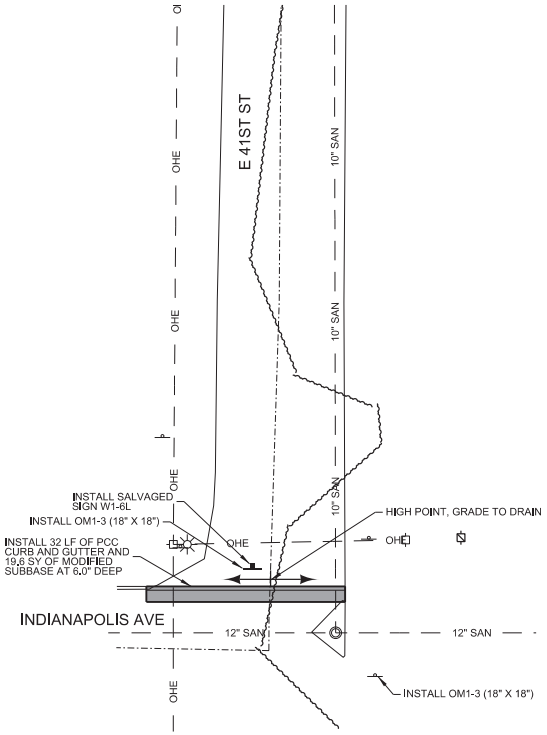

GRAPHIC SCALE
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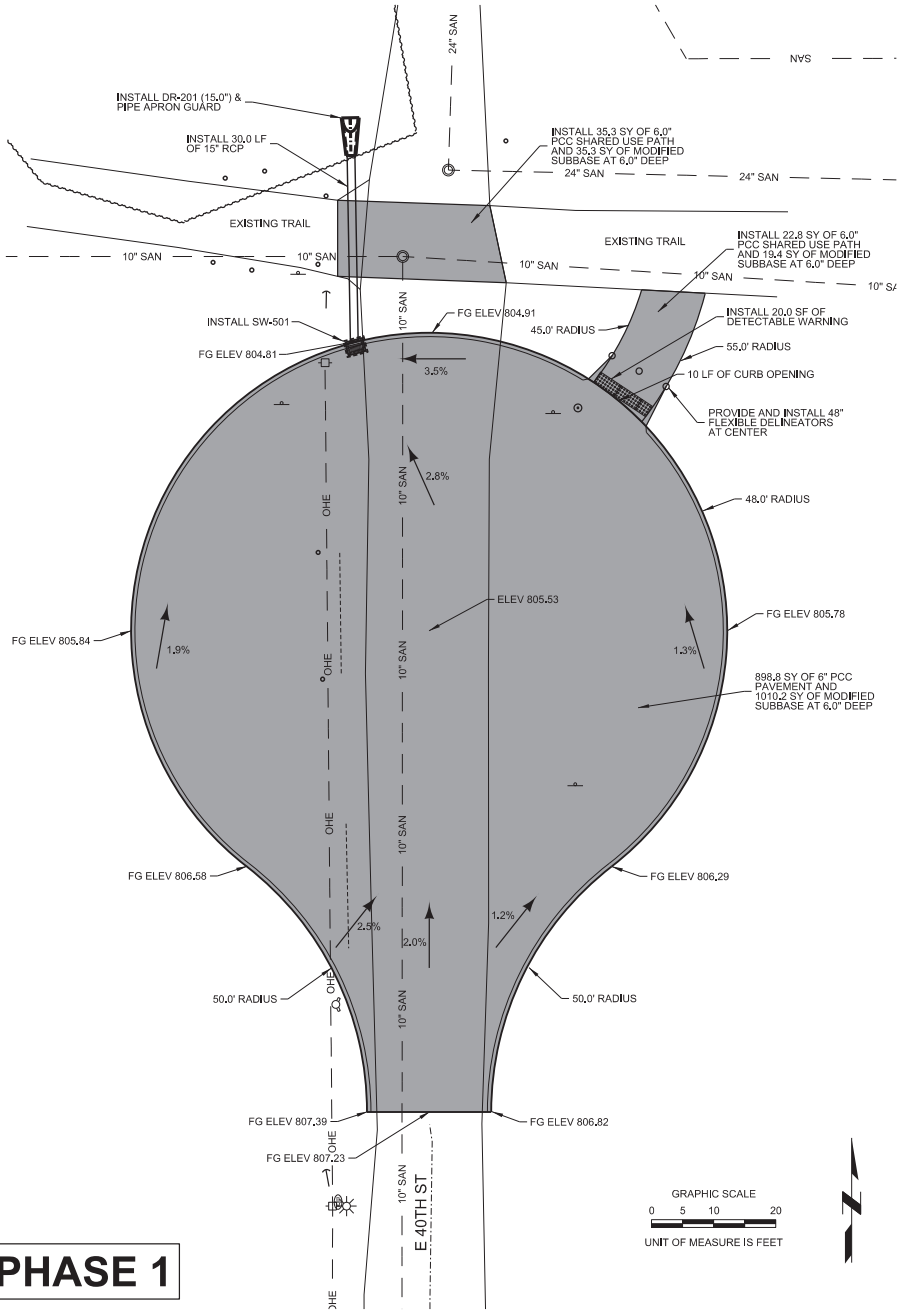
UNIT OF MEASURE IS FEET

PHASE 1



GRAPHIC SCALE
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UNIT OF MEASURE IS FEET

PHASE 1

JEO CONSULTING GROUP INC
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POLK COUNTY CONSERVATION FOURMILE CREEK ROADWAY REMOVAL

PLAN VIEW

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-D07.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
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70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95%DATE
REVISIONS	

D.07

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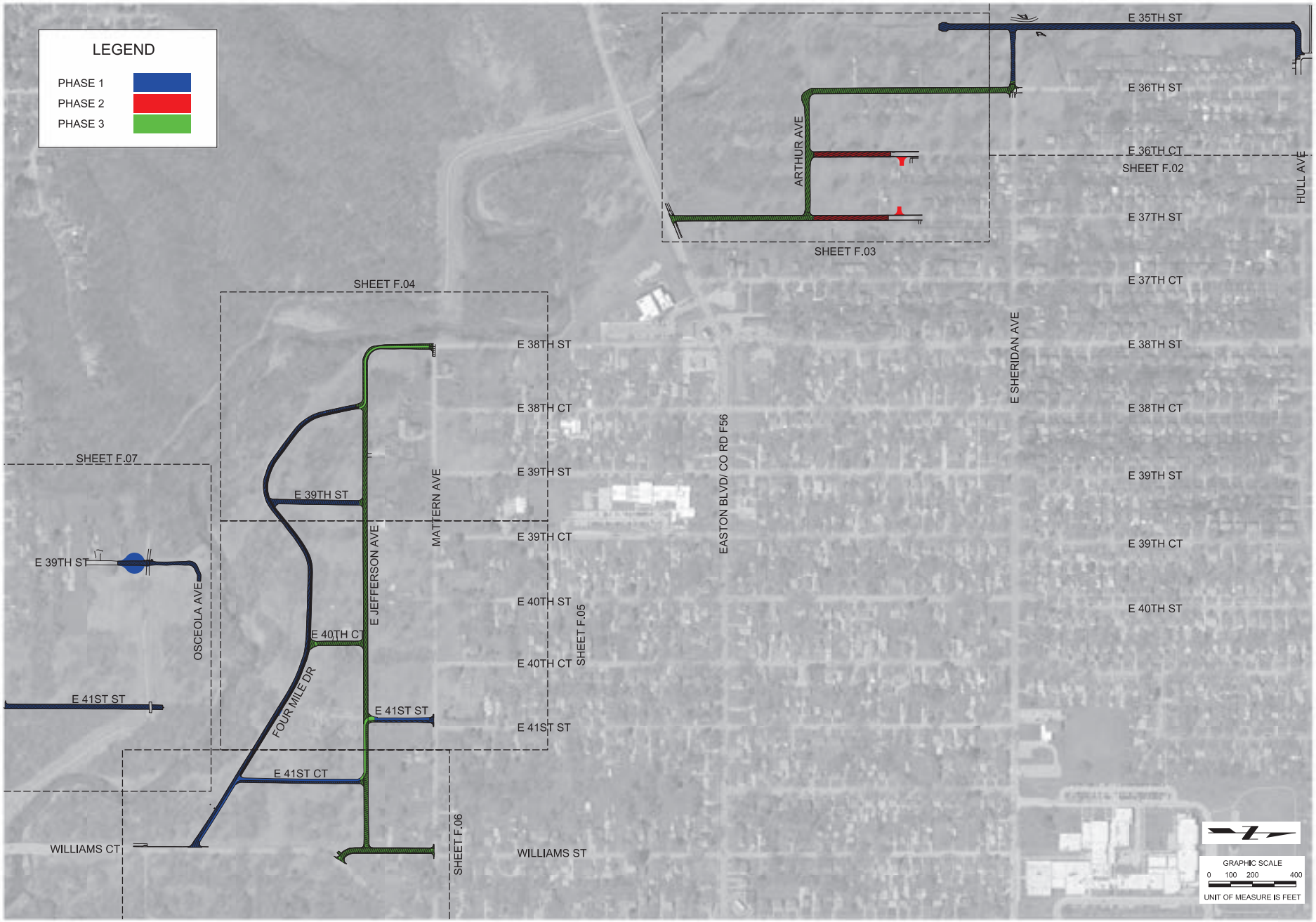

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

REMOVALS

PROJECT NO.	20454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-20454-F01.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
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REVISIONS	

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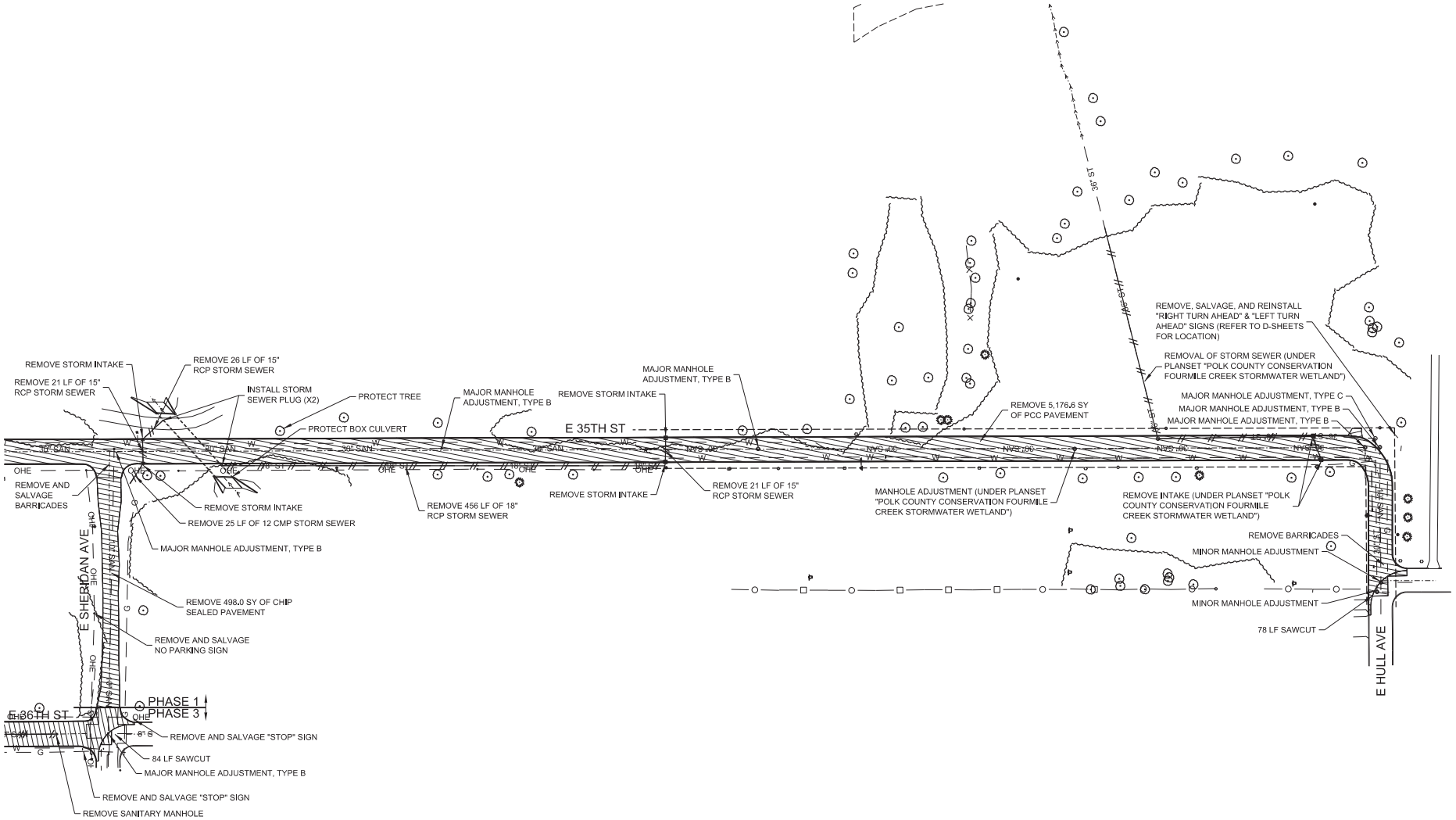

GRAPHIC SCALE

0 25 50 100

UNIT OF MEASURE IS FEET

JEO CONSULTING GROUP INC
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POLK COUNTY CONSERVATION FOURMILE CREEK ROADWAY REMOVAL

REMOVALS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-F02.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
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REVISIONS	

F.02

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By: jriley
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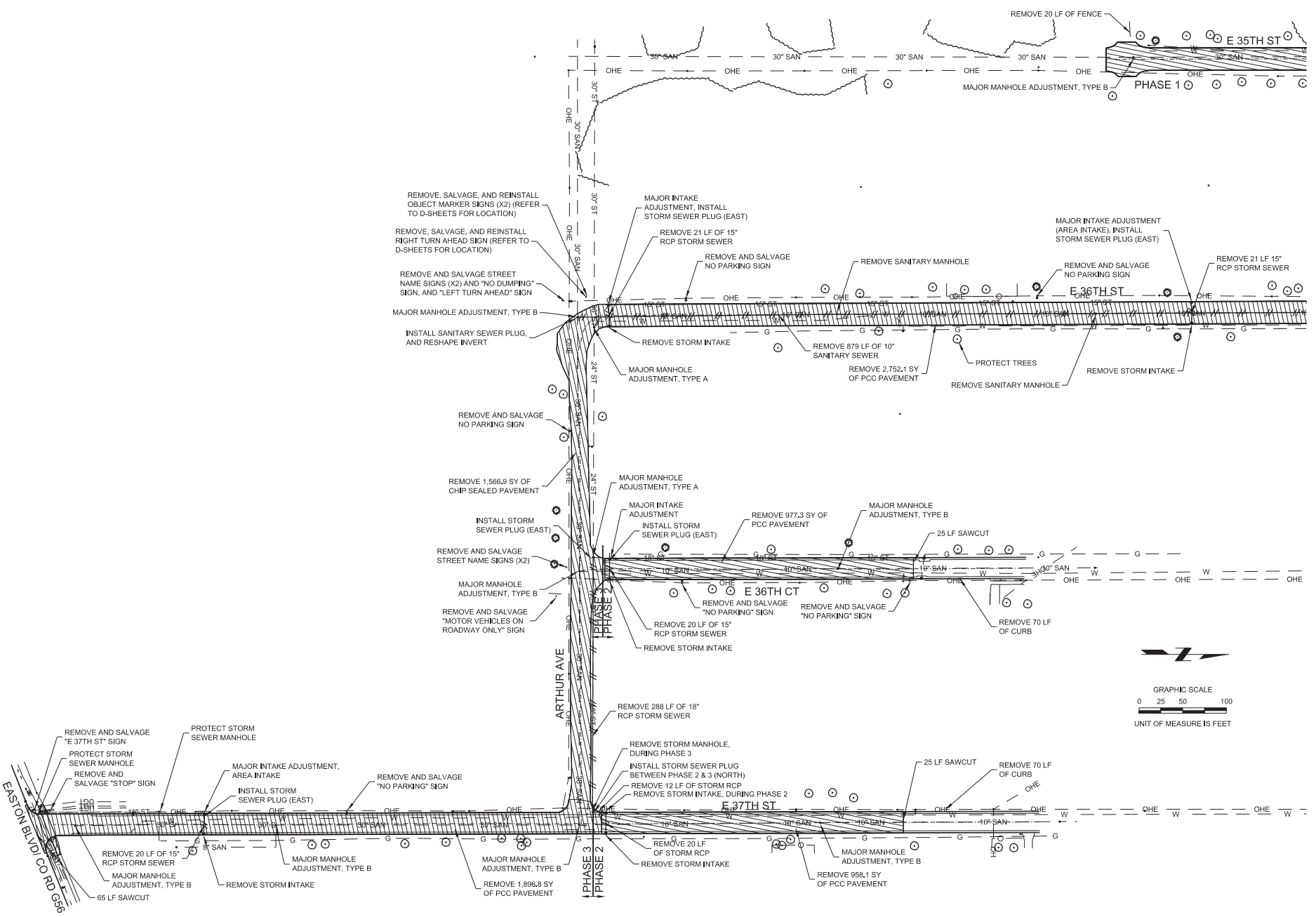

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

REMOVALS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-F03.dgn
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FIELD CREW	FC Init
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REVISIONS	

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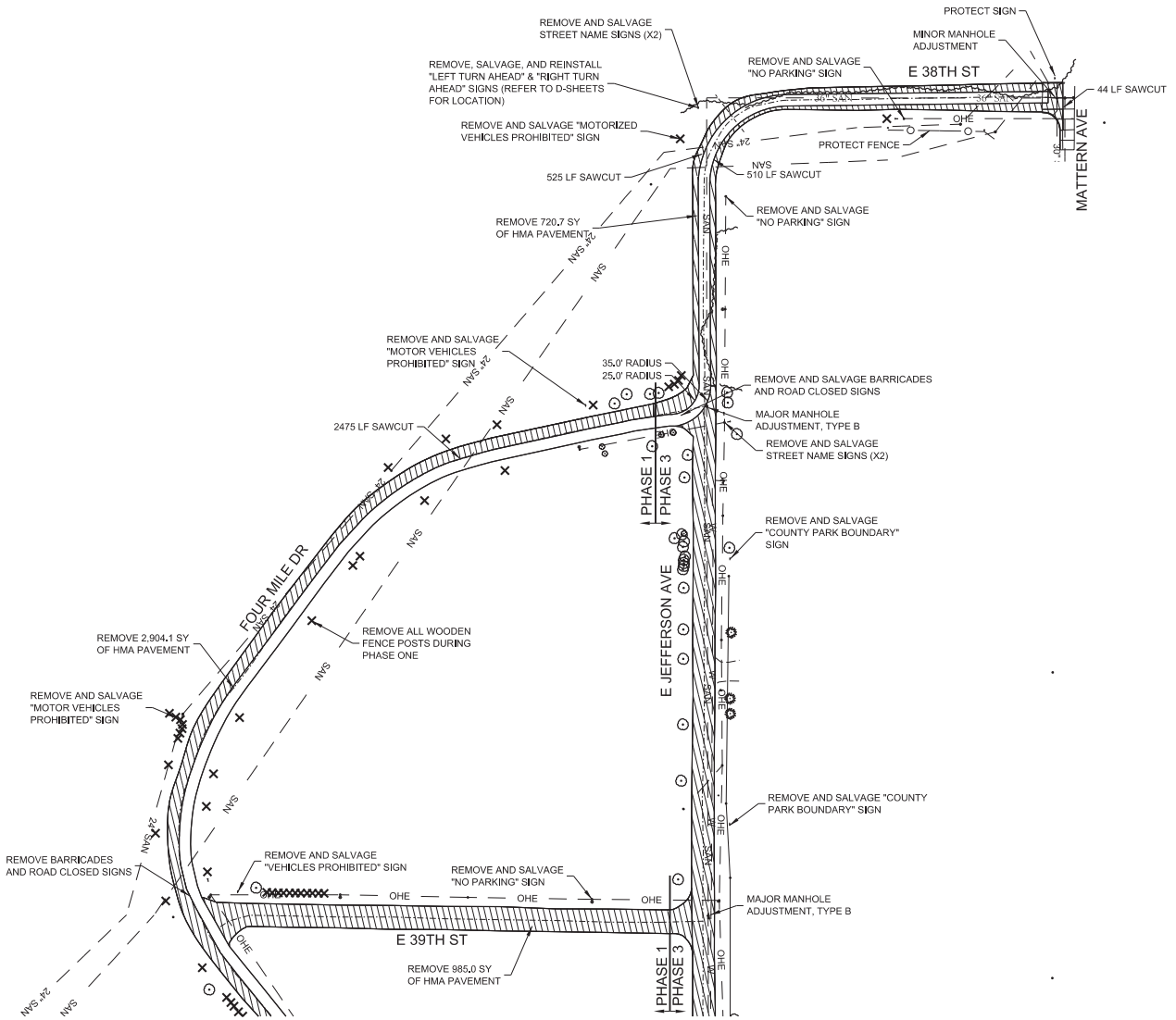

GRAPHIC SCALE
0 25 50 100
UNIT OF MEASURE IS FEET

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

REMOVALS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-F04.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
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REVISIONS	

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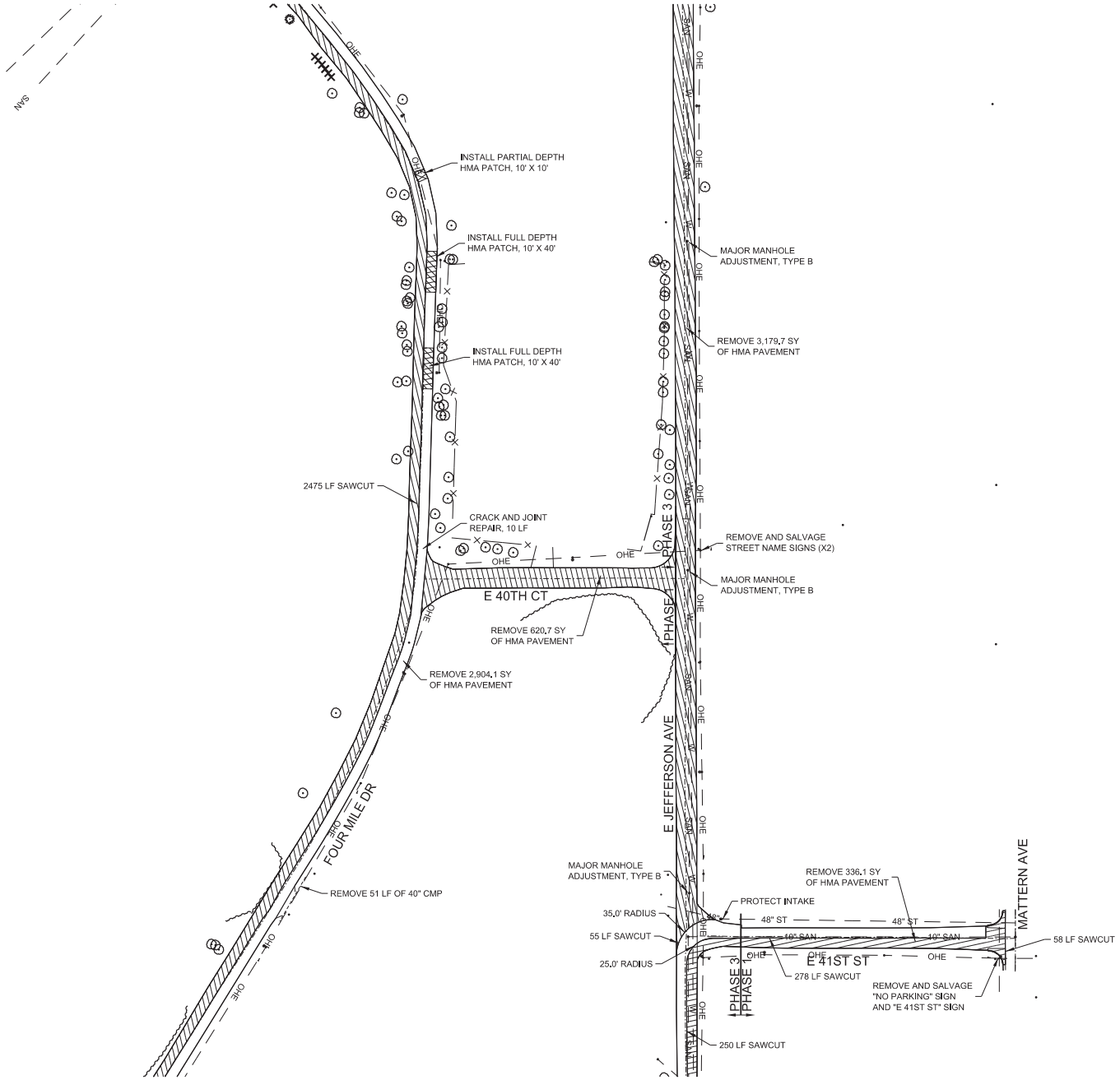

GRAPHIC SCALE

0 25 50 100

UNIT OF MEASURE IS FEET

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

REMOVALS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-F05.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
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REVISIONS	

F.05

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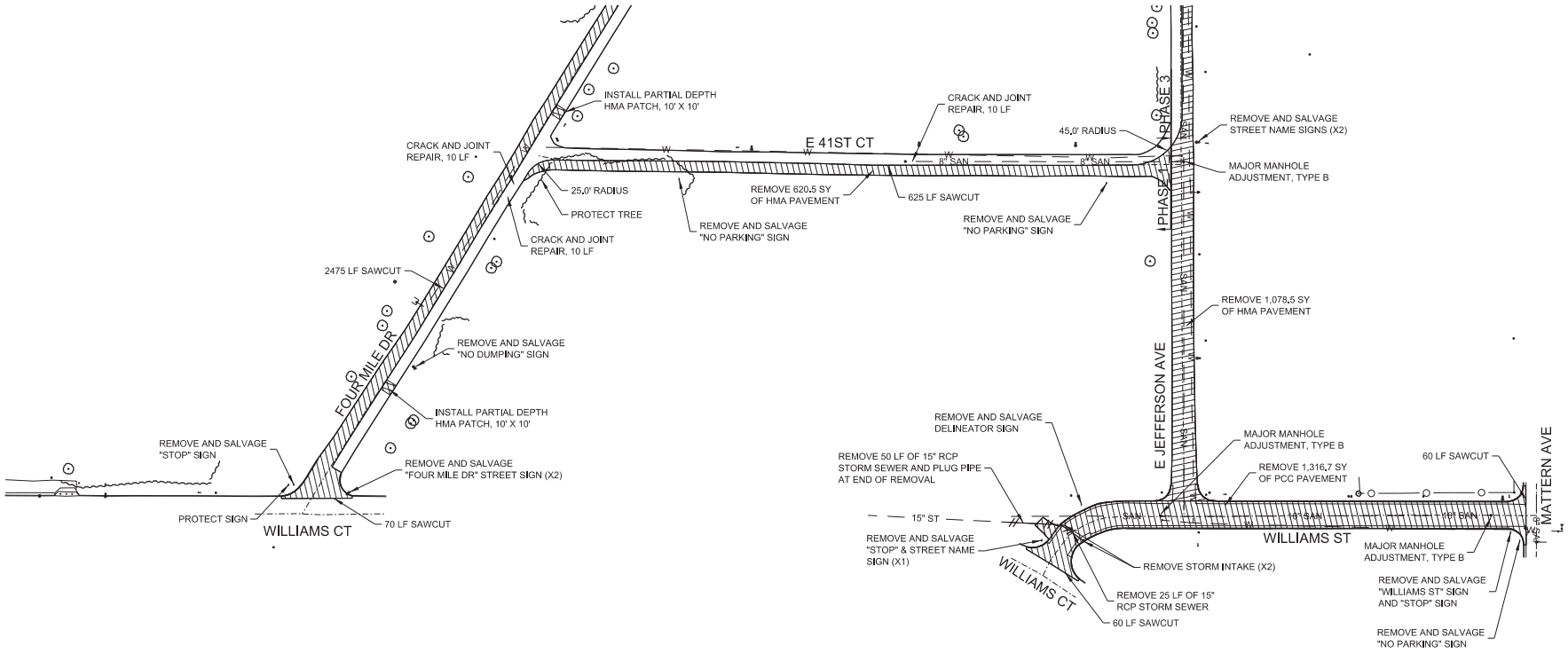
By: jriley



GRAPHIC SCALE

0 25 50 100

UNIT OF MEASURE IS FEET

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

REMOVALS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-F06.dgn
FIELD BOOK	FIELDBOOK
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REVISIONS	

F.06

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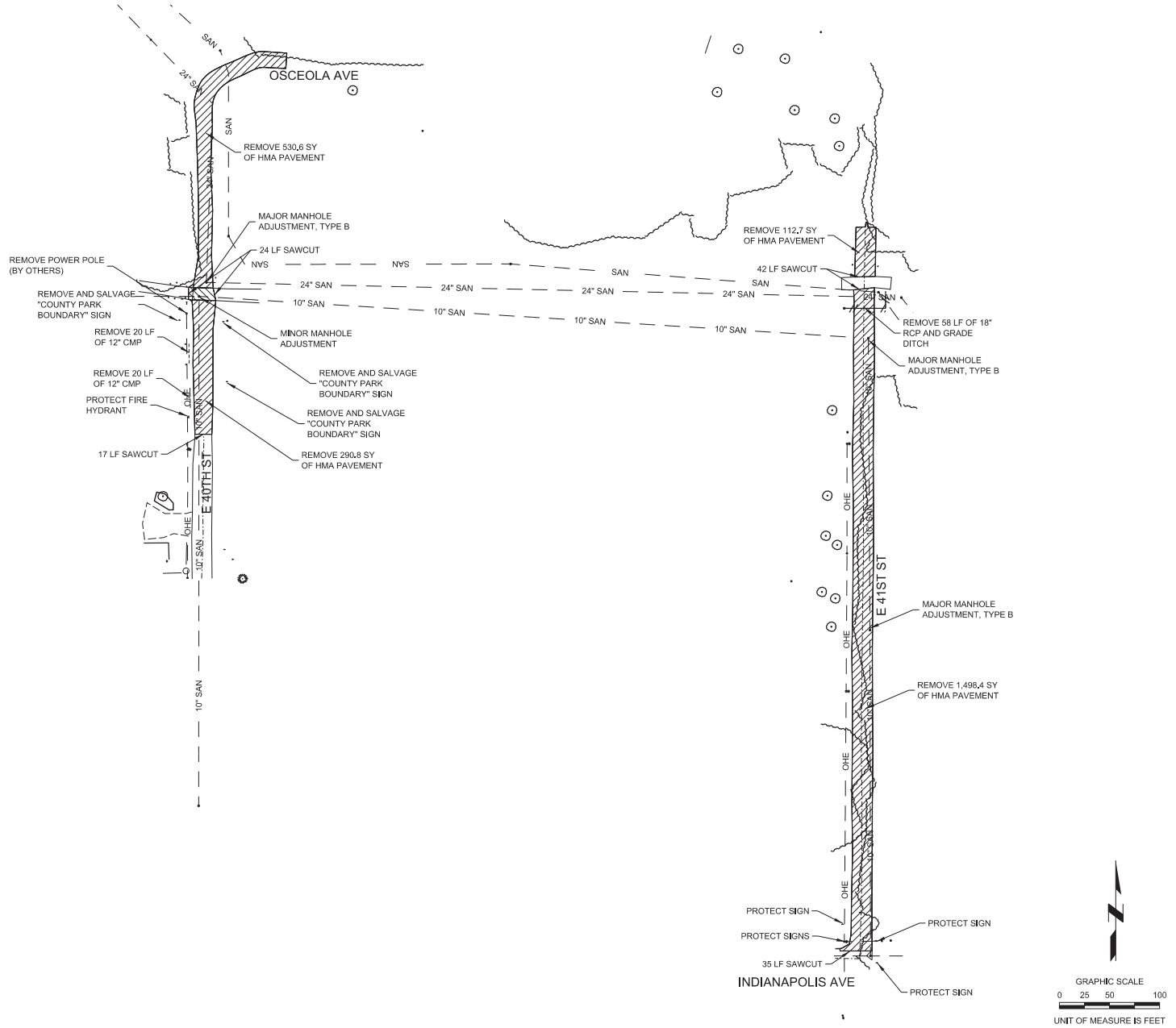

GRAPHIC SCALE
0 25 50 100
UNIT OF MEASURE IS FEET

PHASE 1

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

REMOVALS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-F07.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
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REVISIONS	

F.07

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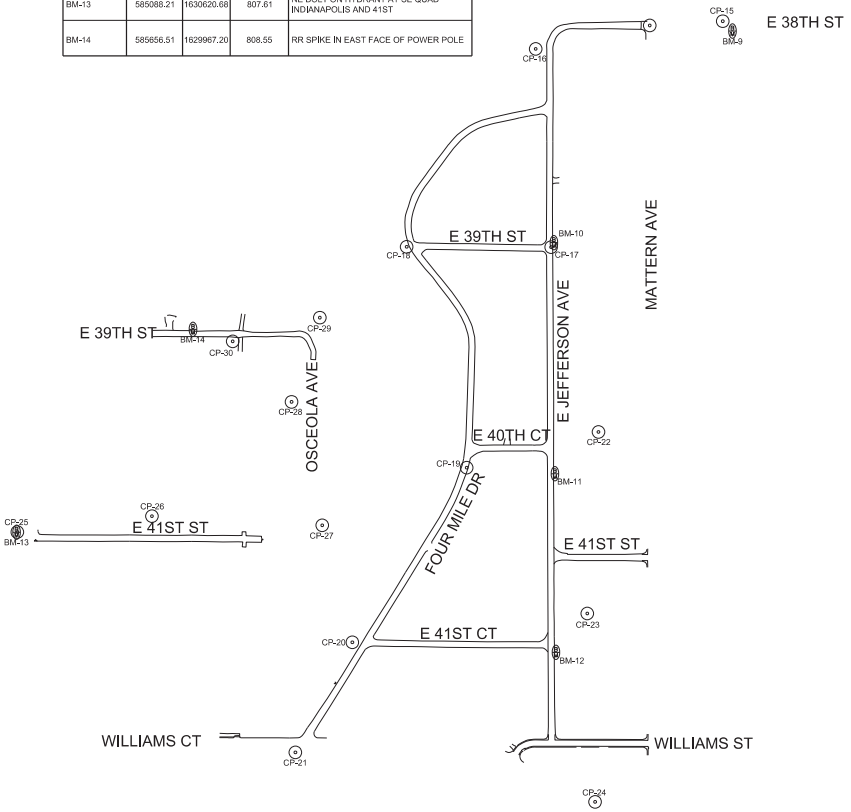
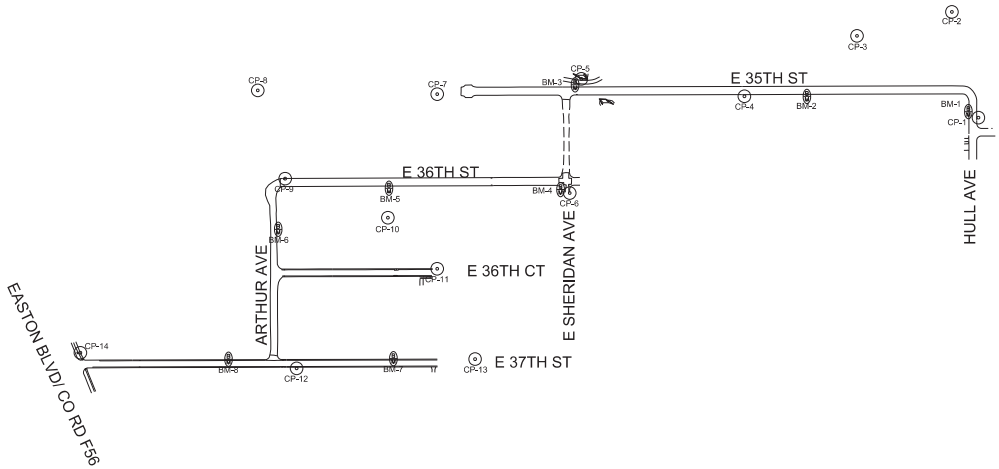
Print Date/Time: 9/30/2021 8:28:40 AM
By: jriley

BENCHMARKS - DATUM NAVD88				
POINT NAME	NORTHING	EASTING	ELEVATION	LONG DESCRIPTION
BM-1	591071.63	1627588.12	818.16	BM
BM-2	590551.57	1627539.06	816.84	BM
BM-3	589805.07	1627501.78	813.64	SW BOLT ON HYDRANT
BM-4	589758.30	1627839.09	815.36	ARROW ON HYDRANT SE QUAD SHERIDAN AND 36TH
BM-5	589205.60	1627834.76	815.25	ARROW ON HYDRANT SE QUAD SHERIDAN AND 36TH
BM-6	588848.85	1627967.04	814.44	ARROW ON HYDRANT
BM-7	589219.87	1628383.70	814.64	ARROW ON HYDRANT
BM-8	588688.90	1628385.48	811.22	TOP BOLT HYDRANT
BM-9	587393.90	1629006.50	809.19	RR SPIKE IN S FACE PPOL
BM-10	586818.86	1629687.91	808.83	RR SPIKE IN S FACE PPOL
BM-11	586822.11	1630432.29	805.71	RR SPIKE IN S FACE PPOL N SIDE JEFF. E OF 40TH
BM-12	586825.51	1631007.39	807.40	ARROW ON HYDRANTRANT SIDE JEFFERSON E OF 41ST
BM-13	585088.21	1630620.68	807.61	NE BOLT ON HYDRANT AT SE QUAD INDIANAPOLIS AND 41ST
BM-14	585656.51	1629967.20	808.55	RR SPIKE IN EAST FACE OF POWER POLE

GRAPHIC SCALE
0 100 200 400
UNIT OF MEASURE IS FEET





HORIZONTAL CONTROL - IOWA STATE PLANE SOUTH - NAD 83			
POINT NAME	NORTHING	EASTING	LONG DESCRIPTION
CP-1	591104.01	1627607.53	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-2	591018.53	1627266.95	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-3	590712.87	1627344.04	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-4	590350.38	1627538.65	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-5	589825.22	1627482.63	CUT X SW SIDE OF BOX CULVERT ON S HEADWALL
CP-6	589787.82	1627850.31	CUT X AT TOP OF CURB AT EOR ON NE QUAD 36TH AND SHERIDAN
CP-7	589360.98	1627531.73	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-8	588783.09	1627519.69	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-9	588871.17	1627803.92	CUT X ON TOP CURB 1 FT N OF INT AT NW QUAD 36TH AND ARTHUR
CP-10	589202.17	1627929.62	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-11	589360.87	1628094.11	CUT X ON TOP OF CURB W SIDE 36TH CT ACROSS HOUSE #2421
CP-12	588908.18	1628414.88	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-13	589482.97	1628385.09	CUT X ON TOP CURB W SIDE 37TH ACROSS FROM HOUSE # 2500
CP-14	588211.73	1628364.60	CUT X ON N SIDE TRAIL NW QUAD 37TH AND EASTON
CP-15	587362.69	1628974.82	CUT X ON TOP CURB
CP-16	586760.19	1629064.07	1/2" REBAR WITH JEO ORANGE PLASTIC CAP AT SE QUAD 38TH AND JEFFERSON
CP-17	586809.94	1629702.41	MAG NAIL IN ASPHALT 1 FT E OF MH AT JEFF. AND 39TH
CP-18	586344.71	1629701.47	1/2" REBAR WITH JEO ORANGE PLASTIC CAP AT S SIDE FOUR MILE AND 39TH
CP-19	586537.94	1630412.84	MAG NAIL IN ASPHALT N SIDE FOUR MILE E OF 40TH ST
CP-20	586169.74	1630975.18	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP S SIDE FOUR MILE AT 41ST
CP-21	585986.25	1631329.71	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP E SIDE WILLIAMS AT FOUR MILE
CP-22	586962.34	1630297.70	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-23	586926.33	1630882.40	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-24	586951.55	1631489.05	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-25	585090.56	1630620.13	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP 2 FT N OF HYDRANT
CP-26	585524.29	1630568.88	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-27	586072.65	1630598.28	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-28	585974.00	1630200.79	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-29	586065.02	1629929.54	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP
CP-30	585784.41	1630005.83	1/2" REBAR WITH JEO CONTROL ORANGE PLASTIC CAP

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

REFERENCE TIES AND BENCHMARKS

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-G01.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND DETAILS	PIH Init
DATE	PIH DATE
70 PERCENT REVIEW DETAILS	70% Init
DATE	70% DATE
95 PERCENT REVIEW DETAILS	95% Init
DATE	95% DATE
REVISIONS	

G.01

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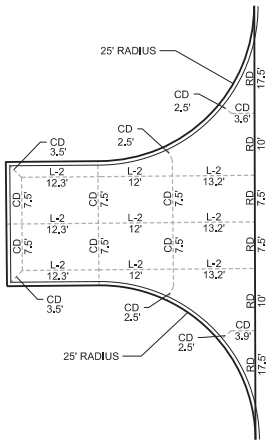
Print Date/Time: 9/30/2021 11:28:46 AM
By: jriley



HAMMERHEAD AT E 37TH ST

GRAPHIC SCALE
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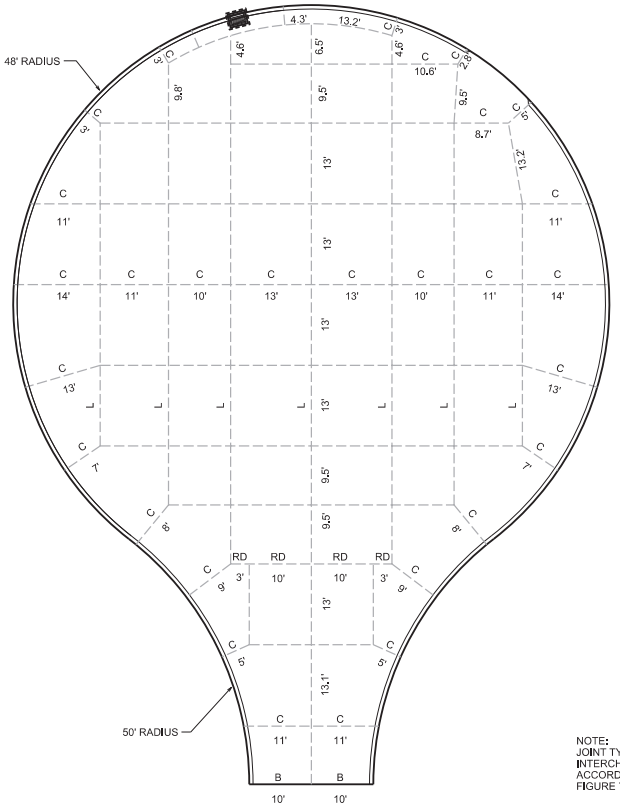
UNIT OF MEASURE IS FEET



NOTE:
JOINT TYPES ARE INTERCHANGEABLE IN ACCORDANCE WITH FIGURE 7010.101

CUL-DE-SAC LAYOUT FOR E 40TH ST

GRAPHIC SCALE
0 5 10 20
UNIT OF MEASURE IS FEET

JEO CONSULTING GROUP INC
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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

JOINTING

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-L01.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95% DATE
REVISIONS	

L.01

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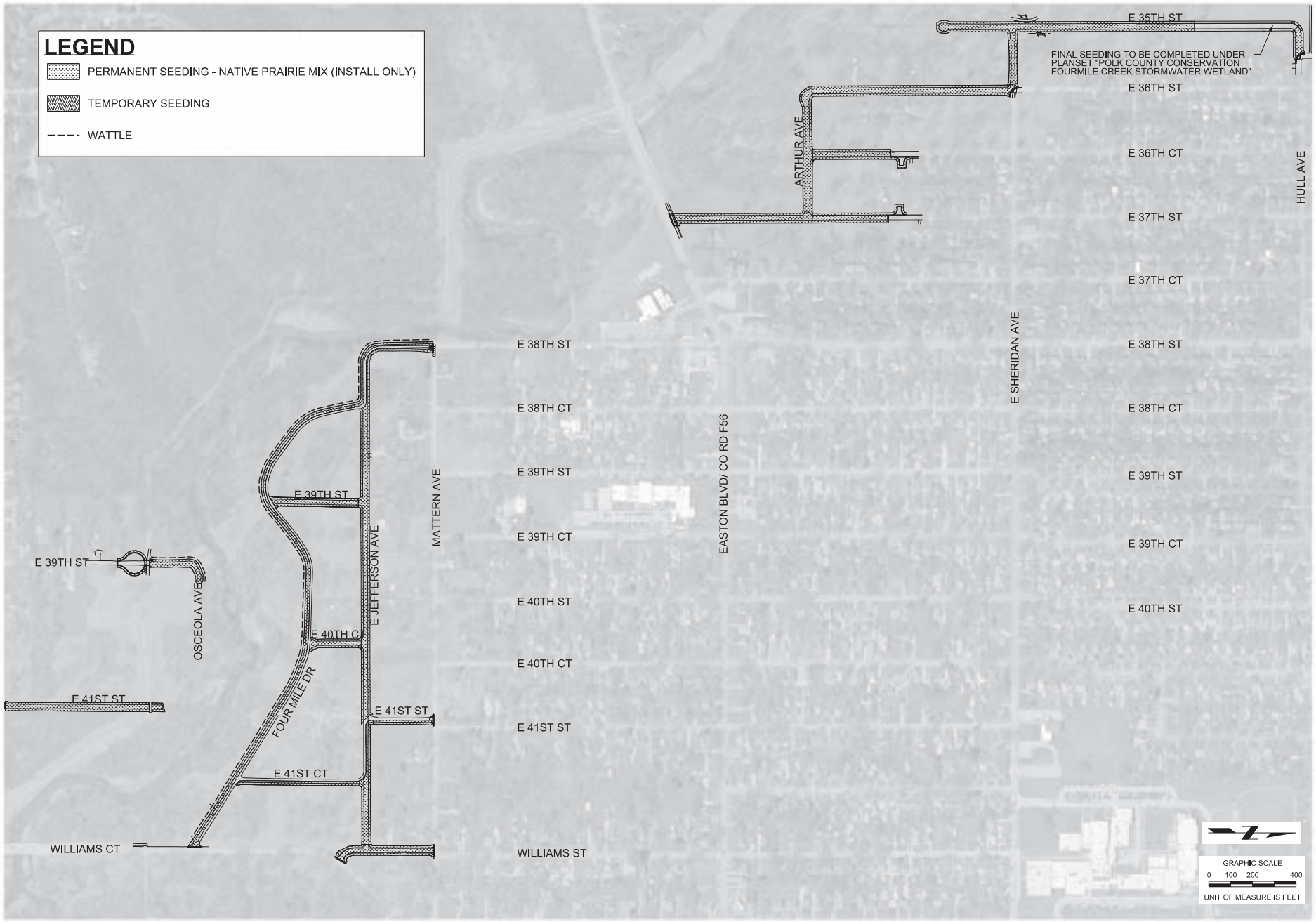
File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\ROADWAY\S-200454-L01.dgn
Print Date/Time: 9/30/2021 11:28:40 AM
By: jriley



JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

EROSION CONTROL / SEEDING

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-R01.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC Init
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH Init / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% Init / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% Init / 95% DATE
REVISIONS	

R.01

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File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\ROADWAYS-200454-R01.dgn
Print Date/Time: 9/30/2021 8:28:36 AM By: jriley

POLLUTION PREVENTION PLAN

This project is regulated by the requirements of the Iowa Department of Natural Resources (IDNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (IDNR) National Pollutant Discharge Elimination System (NPDES) Individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).

This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm water Controls, Potential Sources of Off Right-of-way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the Highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITIES

A. Designer:
1. Prepares Base PPP included in the project plan.
2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
3. Its signature authority on The Base PPP. If consultant designed, signature from Contracting Authority is also required.

B. Contractor:
1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
5. Supervises and implements good housekeeping practices according to Paragraph III, C, 1.
6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
8. Submits amended PPP site map according to Section 2601 of the Standard Specifications.

C. Subcontractors:
1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if responsible for sediment or erosion controls; involved in land disturbing activities; or performing work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Implement good housekeeping practices according to Paragraph III, C, 1.

D. RCE/Project Engineer:
1. Is Project Storm water Manager.
2. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
3. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
4. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
5. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
6. Is in charge with the Project PPP and storm water site map.
7. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
8. Is signature authority on Notice of Discontinuation.
9. Maintains an up-to-date record or contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
10. Makes information to determine permit compliance available to the IDR upon their request.

E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
2. Makes information to determine permit compliance available to the IDR upon their request.
3. Conducts joint required inspections of the site with the contractor/subcontractor.
4. Completes an inspection report after each inspection.
5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION

A. This Pollution Prevention Plan (PPP) is for the construction of a wetland.
B. This PPP covers approximately 16 acres with an estimated 16 acres being disturbed. The portion of the PPP covered by this contract has 16 acres disturbed.
C. The PPP is located in an area of Clarion, Nicollet, Webster soil association.
The estimated weighted average runoff coefficient number for this PPP after completion will be 0.22.
D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:
1. Drainage Patterns - Plan and Profile sheets and Situation plans.
2. Proposed Slopes - Cross Sections.
3. Areas of Soil Disturbance - Construction limits shown on Plan and Profile sheets.
4. Location of Structural Controls - Tabulations in C sheets.
5. Locations of Non-structural Controls - Tabulations in C sheets.
6. Locations of Stabilization Practices - Generally within construction limits shown on Plan and Profile sheets.
7. Surface Waters (including wetlands) - Project Location Map and Plan and Profile sheets.
8. Locations where Storm Water is Discharged - Plan and Profile sheets.
E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion

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POLLUTION PREVENTION PLAN

control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.
F. Runoff from this work will flow into Fourmile Creek.

III CONTROLS

A. The Contractor's ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.
B. Preserve vegetation in areas not needed for construction.
C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.
1. EROSION AND SEDIMENT CONTROLS
a. Stabilization Practices
1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
a) Permanently ceased on any portion of the site, or
b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are constructed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
4) Permanent and Temporary Stabilization practices to be used for this project are located in the Estimated Project Quantities (100-8A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-A) in the C sheets.
5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
6) Preservation of topsoil. Bid items to be used for this project are located in the Estimated Project Quantities (100-8A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets. Additional information may be found in Tabulations in the C or T sheets or is referenced in Section 2105 of Standard Specifications.
b. Structural Practices
1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
2) Structural practices to be used for this project are located in the Estimated Project Quantities (100-8A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found in the E sheets or are referenced in the Standard Road Plans Tabulation (105-A) located in the C sheets.
c. Storm water Management
Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structures to water course. If included with this project, these items are located in the Estimated Project Quantities (100-8A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C sheets, as well as all other Iowa specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-A) in the C sheets. The installation of these devices may be subject to Section 404 of the Clean Water Act.
2. OTHER CONTROLS
Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive applicable laws, rules or regulations shall apply.
a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.
f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
g. Concrete Grooving/Grinding Slurry - Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.
h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.
j. Dewatering - Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.
3. APPROVED STATE OR LOCAL PLANS
During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES

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File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\ROADWAY\S-200454-R02.dgn
Print Date/Time: 9/30/2021 11:22 AM
By: jriley

JEO CONSULTING GROUP INC
800.723.8567

POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-R02.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC INI
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND DETAILS	PIH INI
DATE	PIH DATE
70 PERCENT REVIEW DETAILS	70% INI
DATE	70% DATE
95 PERCENT REVIEW DETAILS	95% INI
DATE	95% DATE
REVISIONS	

R.02

POLLUTION PREVENTION PLAN

The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS

A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:
   1. Date of the inspection.
   i. Summary of the scope of the inspection.
   j. Name and qualifications of the personnel making the inspection.
   k. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
   l. Major observations related to the implementation of the PPP.
   m. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES

This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION

Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS

A. Base PPP - Initial Pollution Prevention Plan.

B. Amended PPP - Base PPP amended during construction. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, FieldBook entries made by the inspector, amended PPP site map by the contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request forms. Items amending the PPP are stored electronically and are readily available upon request.

C. FieldBook Entries - This contains the Inspector's daily diary and Bid Item postings.

D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Work Management Practices (BMPs).

E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Printed or Typed Name

Signature

Printed or Typed Name

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File Name and Location: P:\Engineering\200454.00 - Polk County Conservation Fourmile Creek Stormwater Wetland\7 Design\2 Drawings\Sheets\ROADWAY\S-200454-R03.dgn
Print Date/Time: 9/30/2021 11:22:28 AM
By: jriley

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POLK COUNTY
CONSERVATION
FOURMILE CREEK
ROADWAY REMOVAL

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NO.	200454.00
DATE	9/30/2021
DRAWN BY	jriley
FILE NAME	S-200454-R03.dgn
FIELD BOOK	FIELDBOOK
FIELD CREW	FC INI
SURVEY FILE NO.	SURVEY FILE NO
PLAN IN HAND INITIALS / DATE	PIH INI / PIH DATE
70 PERCENT REVIEW INITIALS / DATE	70% INI / 70% DATE
95 PERCENT REVIEW INITIALS / DATE	95% INI / 95% DATE
REVISIONS	

R.03

Polk County Conservation Board
Invitation to Bid
ITB 2021-009
for
Fourmile Creek Stormwater Wetland
& Roadway Removals Phase I

BID PROPOSAL

Type of Work: Construction
Letting Date July 1st, 2021

Project No. ITB#2021-009
Park/Area Fourmile Wetland & Roads

Project Location Stormwater Wetland - Intersection of E. 35th St & Hull Ave. Des Moines, IA Roadway Removals – E. 35th St, E. 36th St, E. 36th Crt, E. 37th St, E. Jefferson Ave, E. Sheridan Ave, E. Arthur Ave, Fourmile Dr, E. 41st St, E. 40th Crt, E. 39th St, Osceola Ave, e. 40th St,

Description of Work: _____

The bidder hereby certifies that no other principal is involved in or has an interest in this proposal; that the bidder has thoroughly examined the site of the work and understands that the quantities of work required by the plans and specifications and addend#1, #2, ___, ___, and ___, are approximate only and are subject to increases and decreases; that the bidder understands that all quantities of work actually required must be performed and that payment therefore shall be at the unit process stipulated herein; that the bidder proposes to timely furnish the specified materials in the quantities required and to furnish the machinery, equipment, labor and expertise necessary to competently complete this project by the time specified; that no state or county official or employee has a direct or indirect interest in the contract which would cause violation of Iowa Code Section 314.2; that the bidder has made no agreement with any supplier of motor fuel or special fuel which will result in violation of Iowa Code Section 452A.17(8).

If this bid is accepted, Bidder agrees: to perform all "extra work" required to complete the project at unit prices or lump sums to be agreed upon in writing prior to commencement of such "extra work" or, if prior agreement cannot be reached, to perform the work on a "force-account basis" as provided in the specifications; to execute the formal contract within thirty day of the date of approval for award or to forfeit the proposal guaranty furnished herewith; to begin work in accordance with the contract documents and to either complete the work within the contract period or pay liquidated damages, which shall accrue at the daily rate specified above, for each additional working day the work remains uncompleted; and to furnish a performance bond in an amount equal to the contract award as security for the full and complete performance of the contract in accordance with the plans and specifications.

Enclosed herewith is a certified check, credit union share draft, cashier's check, bank draft on a solvent or a bid bond in the penal sum shown in the contract document as a proposal guaranty. It is understood by bidder that the said guaranty document shall be retained by the Contracting Authority as a forfeiture in the event the formal contract is not executed or performance bond is not furnished if the award is made to the undersigned.

The signing of the Bid Document shall serve as an unsworn declaration that, I (the owner, partner, President, other corporate officer, or an authorized representative) hereby certify under penalty of perjury under the laws of the United States and the State of Iowa that I have read, understand, and accept the Bidding Certifications and other provisions contained in the Proposal Notice and the DBE Contract Provisions (if a DBE goal has been set).

Proposal of Wenthold Excavating LLC
Name of Bidder

4008 NE 126th Ave
Street Address

Elkhart, IA 50073
City State Zip Code

Federal Tax I.D. No. 81-5239919

Signatures are to be by authorized agent. If joint venture, each shall sign.

Signature 12/16/2021 Date Signature Date

Project No. ITB//2021-009
Park/Area: Fourmile - Wetland & Road Removals

POLK COUNTY CONSERVATION
Leading You Outdoors

BID FORM

UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

ROADWAY REMOVALS PHASE I						
Item No.	SUDAS Number	Item	Unit	Total	Unit Price	Total Price
	DIVISION 2	EARTHWORK				
2.01	2010-D-1	TOPSOIL, ON-SITE	CY	55	$30.00	$ 1,650.00
2.02	2010-D-2	TOPSOIL, COMPOST-AMENDED	CY	400	$50.00	$ 20,000.00
2.03	2010-D-3	TOPSOIL, OFF-SITE	CY	4400	$20.00	$ 88,000.00
2.04	2010-E	EXCAVATION, CLASS 10	CY	70	$10.00	$ 700.00
2.05	2010-I	SUBBASE, MODIFIED	SY	1248	$15.00	$ 18,720.00
2.06	2010-J-2-c	REMOVAL OF KNOWN PIPE CULVERT, CMP, EQUAL TO OR LESS THAN 40 IN	LF	91	$20.00	$ 1,820.00
2.07	2010-J-2-c	REMOVAL OF KNOWN PIPE CULVERT, RCP	LF	58	$35.00	$ 2,030.00
	DIVISION 4	SEWERS AND DRAINS				
4.03	4020-A-1	STORM SEWER, TRENCHED, RCP, 15 IN. DIA.	LF	30	$135.00	$ 4,050.00
4.04	4020-H	REMOVAL OF STORM SEWER	LF	549	$35.00	$ 19,215.00
4.05	4020-F	STORM SEWER ABANDONMENT, PLUG	EA	2	$500.00	$ 1,000.00
4.07	4030-B	PIPE APRON, RCP, 15 IN. DIA.	EA	1	$2,500	$ 2,500.00
4.08	4030-D	PIPE APRON GUARD	EA	1	$2,000	$ 2,000.00
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM SEWER				
6.01	6010-B	INTAKE, SW-501	EA	1	$8,000	$ 8,000.00
6.02	6010-E	MANHOLE ADJUSTMENT, MINOR	EA	3	$1,500	$ 4,500.00
6.03	6010-F	MANHOLE ADJUSTMENT, MAJOR	EA	9	$2,000	$ 18,000.00
6.07	6010-H	REMOVE INTAKE	EA	4	$1,500	$ 6,000.00
	DIVISION 7	STREETS AND RELATED WORK				
7.01	7010-A	PAVEMENT, PCC, 6 IN.	SY	930	$106.25	$ 98,812.50
7.02	7010-E	CURB AND GUTTER, 2.5 FT, 6 IN.	LF	220	$180.50	$ 39,710.00
7.05	7030-C	SHARED USE PATH, PCC, 6 IN.	SY	80.0	$145.00	$ 11,600.00
#REF!	7030-G	DETECTABLE WARNINGS	SF	44	$ 74.00	$ 3,256.00
#REF!	7040-A	FULL DEPTH PATCHES	SY	89	$177.25	$ 15,775.25
#REF!	7040-C	PARTIAL DEPTH PATCHES	SF	300	$36.50	$ 10,950.00
#REF!	7040-D	CRACK AND JOINT CLEANING AND FILLING, HOT POUR	LF	40	$ 22.00	$ 880.00
7.11	7040-H	PAVEMENT REMOVAL	SY	13578	$ 12.00	$ 162,936.00
	DIVISION 8	TRAFFIC CONTROL				
8.01	8010-999-A	REMOVE, SALVAGE, AND REINSTALL SIGN	EA	2	$380.00	$ 760.00
8.02	8010-999-B	REMOVE AND SALVAGE SIGN	EA	18	$150.00	$ 2,700.00
8.03	8010-999-C	OBJECT MARKER, OM1-3	EA	4	$ 31.75	$ 127.00
8.04	8010-999-D	TYPE A SIGNS, SHEET ALUMINUM	SF	6.25	$ 31.75	$ 198.44
8.05	8010-999-E	INSTALL TYPE A SIGN	EA	1	$385.00	$ 385.00
8.06	8010-999-F	48 IN FLEXIBLE DELINEATOR ASSEMBLY	EA	2	$450.00	$ 900.00
8.07	8010-999-G	TRAIL CLOSED GATE	EA	1	$5,000	$ 5,000.00
#REF!	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	$8,300	$ 8,300.00
	DIVISION 9	SITE WORK AND LANDSCAPING				
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)	AC	4.7	$1,100.00	$ 5,170.00
9.02	9040-F-1	WATTLE, STRAW, 12 IN. DIA.	LF	3100.0	$ 2.75	$ 8,525.00
9.04	9060-E	REMOVAL OF FENCE	LF	20	$ 20.00	$ 400.00
9.05	9060-999-A	REMOVAL OF FENCE POSTS, WOODEN	LS	1	$1,300	$ 1,300.00

	DIVISION 10	DEMOLITION				
10.01	10,010-999-A	REMOVAL OF DEBRIS	LS	1	$ 5,000	$ 5,000.00
	DIVISION 11	MISCELLANEOUS				
11.01	11,020-A	MOBILIZATION	LS	1	$ 12,500	$ 12,500.00
11.02	11,050-A	CONCRETE WASHOUT	LS	1	$ 1,500	$ 1,500.00
		ROADWAY REMOVALS PHSAE I SUB-TOTAL:				$ 594,870.19

35th STREET STORMWATER WETLAND						
Item No.	SUDAS Number	Item	Unit	Total	Unit Price	Total Price
	DIVISION 2	EARTHWORK				
2.01	2010-B	CLEARING AND GRUBBING	AC	4.30	$ 15,000	$ 64,500.00
2.02	2010-D-1	TOPSOIL, ON-SITE	CY	2597	$ 10.00	$ 25,970.00
2.03	2010-D-2	TOPSOIL, COMPOST-AMENDED	CY	513	$ 50.00	$ 25,650.00
2.04	2010-E	EXCAVATION, CLASS 13	CY	528	$ 10.00	$ 5,280.00
2.05	2010-999-A	EXCAVATION, CLASS 13, WASTE	CY	10179	$ 14.00	$ 142,506.00
2.06	2010-999-B	EXCAVATION, CLASS 13, STOCKPILE	CY	12188	$ 12.00	$ 146,256.00
2.07	2010-999-C	EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL	CY	500	$ 15.00	$ 7,500.00
	DIVISION 4	SEWERS AND DRAINS				
4.01	4020-A-1	STORM SEWER, TRENCHED, PVC, 6 IN. DIA	LF	74	$ 50.00	$ 3,700.00
4.02	4020-D	REMOVAL OF STORM SEWER, RCP, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	370	$ 10.00	$ 3,700.00
4.03	4020-999-B	STORM SEWER, REMOVE AND RESET, TRENCHED, RCP, 36 IN. DIA.	LF	60	$ 100.00	$ 6,000.00
4.05	4020-999-C	ANTI-SEEP COLLAR	EA	1	$ 9,500	$ 9,500.00
4.06	4030-B	PIPE APRON, RCP, 36 IN. DIA.	EA	1	$ 10,000	$ 10,000.00
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM SEWER				
6.01	6010-A	MANHOLE, SW-401, 84 IN. DIA.	EA	1	$ 15,000	$ 15,000.00
6.02	6010-B	INTAKE, SW-513, MODIFIED, 6.0' X 6.0'	EA	1	$ 15,000	$ 15,000.00
6.03	6010-F	MANHOLE ADJUSTMENT, MINOR	EA	1	$ 1,500	$ 1,500.00
6.04	6010-H	REMOVE MANHOLE	EA	1	$ 3,500	$ 3,500.00
6.05	6010-H	REMOVE INTAKE	EA	2	$ 3,500	$ 3,500.00
6.06	6010-999-A	WATER CONTROL STRUCTURE	EA	1	$ 2,000	$ 2,000.00
	DIVISION 8	TRAFFIC CONTROL				
8.01	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	$ 2,500	$ 2,500.00
	DIVISION 9	SITE WORK AND LANDSCAPING				
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)	AC	2.8	$ 1,100	$ 3,080.00
9.02	9010-999-B	WETLAND GRASS SEEDING (INSTALL ONLY)	AC	1.5	$ 1,100	$ 1,650.00
9.03	9040-F-1	WATTLE, STRAW, 12 IN.	LF	4255	$ 2.75	$ 11,701.25
9.04	9040-O-1	STABILIZED CONSTRUCTION ENTRANCE	SY	257	$ 20.00	$ 5,140.00
9.05	9040-Q-1	EROSION CONTROL MULCHING, CONENTIONAL	AC	4.6	$ 1,100.00	$ 5,060.00
9.06	9040-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING	AC	0.5	$ 4,400.00	$ 2,200.00
9.07	9040-999-A	DITCH LINER	SF	2800	$ 17.00	$ 47,600.00
9.08	9060-E	REMOVAL OF FENCE	LF	82	$ 20.00	$ 1,640.00
	DIVISION 11	MISCELLANEOUS				
11.01	11,020-A	MOBILIZATION	LS	1	$ 12,500	$ 12,500.00
11.02	11,999-A	TEMPORARY GRANULAR SURFACING	SY	570	$ 15.00	$ 8,550.00
		STORMWATER WETLAND SUB-TOTAL:				$ 596,183.25
		TOTAL AMOUNT BID:				$ 1,191,053.44

Project No. ITB#2021-009
Park/Area: Fourmile - Wetland & Road Removals

BID RESULTS

REMOVALS PHASE I					ENGINEER'S ESTIMATE		WENTHOLD EXCAVATING	
Item No.	SUDAS Number	Item	Unit	Total	Unit Price	Total Price	Unit Price	Total Price
	DIVISION 2	EARTHWORK						
2.01	2010-D-1	TOPSOIL, ON-SITE	CY	55	$10	$ 550.00	$30.00	$1,650.00
2.02	2010-D-2	TOPSOIL, COMPOST-AMENDED	CY	400	$ 25.00	$ 10,000.00	$50.00	$20,000.00
2.03	2010-D-3	TOPSOIL, OFF-SITE	CY	4400	$ 10.00	$ 44,000.00	$20.00	$88,000.00
2.04	2010-E	EXCAVATION, CLASS 10	CY	70	$ 24.00	$ 1,680.00	$10.00	$700.00
2.05	2010-I	SUBBASE, MODIFIED	SY	1248	$ 50.00	$ 62,400.00	$15.00	$18,720.00
2.06	2010-J-2-c	REMOVAL OF KNOWN PIPE CULVERT, CMP, EQUAL TO OR LESS THAN 40 IN	LF	91	$ 20.00	$ 1,820.00	$20.00	$1,820.00
2.07	2010-J-2-c	REMOVAL OF KNOWN PIPE CULVERT, RCP	LF	58	$ 25.00	$ 1,450.00	$35.00	$2,030.00
	DIVISION 4	SEWERS AND DRAINS						
4.03	4020-A-1	STORM SEWER, TRENCHED, RCP, 15 IN. DIA.	LF	30	$70	$ 2,100.00	$135.00	$4,050.00
4.04	4020-H	REMOVAL OF STORM SEWER	LF	549	$ 20.00	$ 10,980.00	$35.00	$19,215.00
4.05	4020-F	STORM SEWER ABANDONMENT, PLUG	EA	2	$ 150.00	$ 300.00	$500.00	$1,000.00
4.07	4030-B	PIPE APRON, RCP, 15 IN. DIA.	EA	1	$ 1,780.00	$ 1,780.00	$2,500.00	$2,500.00
4.08	4030-D	PIPE APRON GUARD	EA	1	$ 500.00	$ 500.00	$2,000.00	$2,000.00
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM SEWER						
6.01	6010-B	INTAKE, SW-501	EA	1	$4,500	$ 4,500.00	$8,000.00	$8,000.00
6.02	6010-E	MANHOLE ADJUSTMENT, MINOR	EA	3	$ 1,000.00	$ 3,000.00	$1,500.00	$4,500.00
6.03	6010-F	MANHOLE ADJUSTMENT, MAJOR	EA	9	$ 2,000.00	$ 18,000.00	$2,000.00	$18,000.00
6.07	6010-H	REMOVE INTAKE	EA	4	$ 900.00	$ 3,600.00	$1,500.00	$6,000.00
	DIVISION 7	STREETS AND RELATED WORK						
7.01	7010-A	PAVEMENT, PCC, 6 IN.	SY	930	$75	$ 69,750.00	$106.25	$98,812.50
7.02	7010-E	CURB AND GUTTER, 2.5 FT, 6 IN.	LF	220	$70	$ 15,400.00	$180.50	$39,710.00
7.05	7030-C	SHARED USE PATH, PCC, 6 IN.	SY	80.0	$ 90.00	$ 7,200.00	$145.00	$11,600.00
#REF!	7030-G	DETECTABLE WARNINGS	SF	44	$ 50.00	$ 2,200.00	$74.00	$3,256.00
#REF!	7040-A	FULL DEPTH PATCHES	SY	89	$ 260.00	$ 23,140.00	$177.25	$15,775.25
#REF!	7040-C	PARTIAL DEPTH PATCHES	SF	300	$ 230.00	$ 69,000.00	$36.50	$10,950.00
#REF!	7040-D	CRACK AND JOINT CLEANING AND FILLING, HOT POUR	LF	40	$ 100.00	$ 4,000.00	$22.00	$880.00
7.11	7040-H	PAVEMENT REMOVAL	SY	13578	$ 10.00	$ 135,780.00	$12.00	$162,936.00
	DIVISION 8	TRAFFIC CONTROL						
8.01	8010-999-A	REMOVE, SALVAGE, AND REINSTALL SIGN	EA	2	$300	$ 600.00	$380.00	$760.00
8.02	8010-999-B	REMOVE AND SALVAGE SIGN	EA	18	$ 1,800.00	$ 32,400.00	$150.00	$2,700.00
8.03	8010-999-C	OBJECT MARKER, OM1-3	EA	4	$ 150.00	$ 600.00	$31.75	$127.00
8.04	8010-999-D	TYPE A SIGNS, SHEET ALUMINUM	SF	6.25	$ 32.00	$ 200.00	$31.75	$198.44
8.05	8010-999-E	INSTALL TYPE A SIGN	EA	1	$ 170.00	$ 170.00	$385.00	$385.00
8.06	8010-999-F	48 IN FLEXIBLE DELINEATOR ASSEMBLY	EA	2	$ 250.00	$ 500.00	$450.00	$900.00
8.07	8010-999-G	TRAIL CLOSED GATE	EA	1	$ 3,000.00	$ 3,000.00	$5,000.00	$5,000.00
#REF!	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	$ 2,500.00	$ 2,500.00	$8,300.00	$8,300.00
	DIVISION 9	SITE WORK AND LANDSCAPING						
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)	AC	4.7	$900	$ 4,230.00	$1,100.00	$5,170.00
9.02	9040-F-1	WATTLE, STRAW, 12 IN. DIA.	LF	3100.0	$ 3.10	$ 9,610.00	$2.75	$8,525.00
9.04	9060-E	REMOVAL OF FENCE	LF	20	$ 10.00	$ 200.00	$20.00	$400.00
9.05	9060-999-A	REMOVAL OF FENCE POSTS, WOODEN	LS	1	$ 500.00	$ 500.00	$1,300.00	$1,300.00
	DIVISION 10	DEMOLITION						
10.01	10,010-999-A	REMOVAL OF DEBRIS	LS	1	$1,000	$ 1,000.00	$5,000.00	$5,000.00
	DIVISION 11	MISCELLANEOUS						
11.01	11,020-A	MOBILIZATION	LS	1	$55,000	$ 55,000.00	$12,500.00	$12,500.00
11.02	11,050-A	CONCRETE WASHOUT	LS	1	$ 2,000.00	$ 2,000.00	$1,500.00	$1,500.00
		ROADWAY REMOVALS PHSAE I SUB-TOTAL:				$ 605,640.00		$594,870.19

35th STREET STORMWATER WETLAND					ENGINEER'S ESTIMATE		WENTHOLD EXCAVATING	
Item No.	SUDAS Number	Item	Unit	Total	Unit Price	Total Price	Unite Price	Total Price
	DIVISION 2	EARTHWORK						
2.01	2010-B	CLEARING AND GRUBBING	AC	4.30	$8,000	$ 34,400.00	$15,000.00	$64,500.00
2.02	2010-D-1	TOPSOIL, ON-SITE	CY	2597	$ 10.00	$ 25,970.00	$10.00	$25,970.00
2.03	2010-D-2	TOPSOIL, COMPOST-AMENDED	CY	513	$ 25.00	$ 12,825.00	$50.00	$25,650.00
2.04	2010-E	EXCAVATION, CLASS 13	CY	528	$ 6.00	$ 3,168.00	$10.00	$5,280.00
2.05	2010-999-A	EXCAVATION, CLASS 13, WASTE	CY	10179	$ 20.00	$ 203,580.00	$14.00	$142,506.00

2.06	2010-999-B	EXCAVATION, CLASS 13, STOCKPILE	CY	12188	$ 9.00	$ 109,692.00	$12.00	$146,256.00
2.07	2010-999-C	EXCAVATION, CLASS 10, USUITABLE OR UNSTABLE MATERIAL	CY	500	$ 15.00	$ 7,500.00	$15.00	$7,500.00
	DIVISION 4	SEWERS AND DRAINS						
4.01	4020-A-1	STORM SEWER, TRENCHED, PVC, 6 IN. DIA	LF	74	$ 50.00	$ 3,700.00	$50.00	$3,700.00
4.02	4020-D	REMOVAL OF STORM SEWER, RCP, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	370	$ 20.00	$ 7,400.00	$10.00	$3,700.00
4.03	4020-999-B	STORM SEWER, REMOVE AND RESET, TRENCHED, RCP, 36 IN. DIA.	LF	60	$ 170.00	$ 10,200.00	$100.00	$6,000.00
4.05	4020-999-C	ANTI-SEEP COLLAR	EA	1	$ 1,500.00	$ 1,500.00	$9,500.00	$9,500.00
4.06	4030-B	PIPE APRON, RCP, 36 IN. DIA.	EA	1	$ 3,100.00	$ 3,100.00	$10,000.00	$10,000.00
	DIVISION 6	STRUCTURES FOR SANITARY AND STORM SEWER						
6.01	6010-A	MANHOLE, SW-401, 84 IN. DIA.	EA	1	$8,000	$ 8,000.00	$15,000.00	$15,000.00
6.02	6010-B	INTAKE, SW-513, MODIFIED, 6.0' X 6.0'	EA	1	$ 12,000.00	$ 12,000.00	$15,000.00	$15,000.00
6.03	6010-F	MANHOLE ADJUSTMENT, MINOR	EA	1	$ 2,000.00	$ 2,000.00	$1,500.00	$1,500.00
6.04	6010-H	REMOVE MANHOLE	EA	1	$ 900.00	$ 900.00	$3,500.00	$3,500.00
6.05	6010-H	REMOVE INTAKE	EA	2	$ 900.00	$ 1,800.00	$3,500.00	$7,000.00
6.06	6010-999-A	WATER CONTROL STRUCTURE	EA	1	$ 3,000.00	$ 3,000.00	$2,000.00	$2,000.00
	DIVISION 8	TRAFFIC CONTROL						
8.01	8030-A	TEMPORARY TRAFFIC CONTROL	LS	1	$1,000	$ 1,000.00	$2,500.00	$2,500.00
	DIVISION 9	SITE WORK AND LANDSCAPING						
9.01	9010-999-A	NATIVE GRASS SEEDING (INSTALL ONLY)	AC	2.8	$900	$ 2,520.00	$1,100.00	$3,080.00
9.02	9010-999-B	WETLAND GRASS SEEDING (INSTALL ONLY)	AC	1.5	$ 900.00	$ 1,350.00	$1,100.00	$1,650.00
9.03	9040-F-1	WATTLE, STRAW, 12 IN.	LF	4255	$ 3.10	$ 13,190.50	$2.75	$11,701.25
9.04	9040-O-1	STABILIZED CONSTRUCTION ENTRANCE	SY	257	$ 25.00	$ 6,425.00	$20.00	$5,140.00
9.05	9040-Q-1	EROSION CONTROL MULCHING, CONENTIONAL	AC	4.6	$ 1,200.00	$ 5,520.00	$1,100.00	$5,060.00
9.06	9040-Q-2	EROSION CONTROL MULCHING, HYDROMULCHING	AC	0.5	$ 2,500.00	$ 1,250.00	$4,400.00	$2,200.00
9.07	9040-999-A	DITCH LINER	SF	2800	$ 8.00	$ 22,400.00	$17.00	$47,600.00
9.08	9060-E	REMOVAL OF FENCE	LF	82	$ 10.00	$ 820.00	$20.00	$1,640.00
	DIVISION 11	MISCELLANEOUS						
11.01	11,020-A	MOBILIZATION	LS	1	$40,000	$ 40,000.00	$12,500.00	$12,500.00
11.02	11,999-A	TEMPORARY GRANULAR SURFACING	SY	570	$ 8.00	$ 4,560.00	$15.00	$8,550.00
		STORMWATER WETLAND **SUB-TOTAL:**				$ 549,770.50		$596,183.25
		TOTAL AMOUNT BID:				$ 1,155,410.50		$1,191,053.44

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	ACTION 22-0103a Cassandra Cook Conservation Ecologist

AGENDA HEADING:
Public Hearing approving plans, specifications, form of contract, engineer's estimate, and designating lowest responsible bidder for the Vegetation and Hardscape Removals in the Fourmile Creek Greenway to RW Excavating in a contract amount of $72,000.00, plus a 10% contingency.

INFORMATION:
Polk County Conservation is in the second phase of restoration along the Fourmile Creek Greenway. Staff has identified a 15-acre project area to continue the restoration process. The process involves clearing and grubbing, concrete removal, debris removal, and compaction and placement of earth fill. After the contracted process is complete, Polk County Conservation will seed the area to native prairie.

Four bids were received and opened on January 4, 2022. The lowest responsible bidder was RW Excavating with a base bid of $72,000. Upon approval, staff will issue a Notice to Proceed to the awarded contractor.

Bid Results:

Company	Bid
RW Excavating	$72,000
J. Pettiecord, Inc	$73,270
Maple Valley Tree Service	$80,000
Wenthold Excavating	$180,000

FISCAL IMPACT:

Amount:	$72,000.00	Contract Amount
	$7,200.00	10% Contingency
	$79,200.00	Not to Exceed

Funding Source: 2012 Polk County Water & Land Legacy Bond

PREVIOUS BOARD ACTION(S):
Date: November 13, 2019
Roll Call: 19-1114 (5-Yea)
Action: Awarding a contract to J. Pettiecord Inc. for vegetation removal within the Fourmile Creek Greenway as specified in ITB 2019-029 in an amount not to exceed $118,250 and authorizing the Director or Deputy Director to execute same.

Date: May 8, 2019
Roll Call: 19-0515 (4-Yea; 1-Absent)

Action: Authorizing Board Chair to sign Fourmile Creek Greenway Management and Maintenance Agreement and statement that Polk County Conservation shall be bound by 44 CFR part 80.19 for deeded land from the City of Des Moines along Fourmile Creek.

RECOMMENDATION: Public Hearing approving plans, specifications, form of contract, engineer's estimate, and designating lowest responsible bidder for the Vegetation and Hardscape Removals in the Fourmile Creek Greenway to RW Excavating in a contract amount of $72,000.00 plus a 10% contingency and authorizing the Chair or their designee to sign the contract.

Polk County Conservation Board
Invitation to Bid
(ITB 2021 - 014)
For
Woody Vegetation and Hardscape Removal
In the
Fourmile Creek Greenway

The Polk County Conservation Board is seeking contractors to bid for the services described herein on the Fourmile Creek Greenway located in eastern Polk County.

Bids must be received by Tuesday, January 4, 2022 by 4:00 p.m. on BidNet Direct https://www.bidnetdirect.com/iowa/polkcounty, by email, or delivered to the Natural Resources Headquarters. Bids will be opened and reviewed at 4:01:00 p.m. on the same date at the Polk County Conservation Natural Resources Headquarters located at 11204 NE 118th Ave, Maxwell, Iowa.

Interested parties can email, or deliver their bids to:

Cassie Cook, Conservation Ecologist
Polk County Conservation
11204 NE 118th Ave
Maxwell, IA 50161

Cassie Cook, Conservation Ecologist
Polk County Conservation

Polk County Conservation Board
Invitation to Bid
(ITB 2021 - 014)
For
Woody Vegetation and Hardscape Removal
In the
Fourmile Creek Greenway

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Polk County Conservation Board
Invitation to Bid
(ITB 2021 - 014)
For
Woody Vegetation and Hardscape Removal
In the
Fourmile Creek Greenway

PART I
BIDDER INFORMATION

1.1 PURPOSE

The Polk County Conservation Board (PCCB) would like to contract Woody Vegetation and Hardscape Removal within the Fourmile Creek Greenway located in eastern Polk County. Bids will be accepted from all persons or firms qualified to do so. A contract will be signed with the successful candidate.

This Invitation to Bid (ITB) provides instructions for parties interested in supplying the requirements of this Bid. It contains the specifications for the services to be supplied and the terms and conditions thereof.

1.2 SCOPE OF PROJECT

The scope of this project is to provide labor, machinery and expertise to clear and grub all woody vegetation and hardscape within the project area unless marked.

1.3 INQUIRIES

A. To arrange for a tour of the site or for other inquiries, you may contact:

Cassie Cook, Conservation Ecologist
Polk County Conservation
11204 NE 118th Ave
Maxwell, IA 50161
515.323.5392
cassandra.cook@polkcountyiowa.gov

B. Any changes made in the original Bids Packet will only be made by Addendum issued by the Conservation Ecologist of the PCCB.

C. In all cases, no verbal communications shall override written communications or the contents of this ITB.

1.4 APPLICANT'S RESPONSIBILITIES

Before submitting a Bid, each applicant shall make all investigations and examinations necessary to ascertain conditions and requirements affecting operation of the proposed services. Failure to make such investigations and examinations shall not relieve the successful applicant from the obligation to comply, in every detail, with all provisions

and requirements, nor shall it be a basis for any claim whatsoever for alteration in any terms of or payment required by an Agreement.

No allowance will be made after bids are received for oversight, omission, error or mistake by applicant.

The person submitting the request will be responsible for its prompt delivery. The PCCB accepts no responsibility for delays in the receipt of your Bids due to mail delivery, messenger services or any other method of delivery. The responsibility for timely Bid delivery rests with the applicant.

1.5 RECEIVING OF BIDS

A. Bids will be received until Tuesday, January 4, 2022 by 4:00 p.m.

B. Bids received after 4:00 p.m. on that date will not be considered and will be returned to the bidder.

C. Bids are to be emailed, or brought to:

Cassie Cook, Conservation Ecologist
Polk County Conservation
11204 NE 118th Ave
Maxwell, IA 50161
Cassandra.cook@polkcountyiowa.gov

D. Bids can be submitted on BidNet Direct
https://www.bidnetdirect.com/iowa/polkcounty

1.6 FILING OF BIDS

Bids shall be on the form furnished with this packet. Bids shall include all information requested. Bids forms must be complete, signed and dated. The Bids and any clarification to same shall be signed by an officer of the offering firm or a designated agent empowered to bind the firm in contract.

1.7 OFFICIAL CLOCK

The official clock is located on the Conservation Ecologist's phone.

1.8 OPENING OF BIDS

Bids will be opened and reviewed at 4:01 p.m. Tuesday, January 4, 2022 at the Polk County Conservation Natural Resources Headquarters located at 11204 NE 118th Ave, Maxwell, IA 50161.

1.9 SELECTION PROCESS

Applicants are advised that the PCCB intends to select the applicant that it determines to be most responsive and responsible and will provide the highest quality products and efficient services.

1.10 REJECTION OF BIDS

The Polk County Conservation Board reserves the right:

- To reject any and all bids.

- To waive technical or insubstantial irregularities when not shown to have resulted in any unfair advantage to any applicant.

1.11 REPORTING OF ANTI-COMPETITIVE PRACTICES

When for any reason collusion or other anti-competitive practices are suspected among any applicants, the Natural Resource Manager shall prepare a notice of the relevant facts, which shall be given to the Director for review and possible involvement of the office of the Polk County Attorney.

1.12 POLK COUNTY CONSERVATION BOARD STATEMENT

The PCCB may show preference in purchasing goods and services from vendors who produce goods or maintain an office in Iowa. Preference may also be given to goods produced in Polk County or to vendors maintaining an office in Polk County. Further, the Polk County Conservation Board may actively solicit and seek out local vendors of goods and services to encourage said vendors to stock and supply Iowa-made products.

1.13 TAXES

The PCCB is exempt from federal, state and local sales and use tax on the equipment, parts supplied, or services pursuant to this contract.

1.14 EXCLUSIVE AGREEMENT

The Agreement which results from this Bids solicitation constitutes the exclusive agreement between parties and incorporates the provisions of these terms and conditions, and supersedes any previous agreements, either written or oral. The terms and conditions hereof may not be altered without prior written consent of both parties.

1.15 PROJECT DATES

The following dates represent the proposed project schedule. If it becomes necessary to change the schedule, all known bidders will be notified.

Bid Opening:	January 4, 2022
Award Date:	January 12, 2022
Completion Date:	March 13, 2022
Estimated Starting Date:	January 13, 2022
Pre-Construction Meeting:	TBA

Polk County Conservation Board
Invitation to Bid
(ITB 2021 - 014)
For
Woody Vegetation and Hardscape Removal
In the
Fourmile Creek Greenway

PART II
TERMS AND CONDITIONS

2.1 TERMINATION

A. Termination for causes: The County may terminate the agreement resulting from this request at any time that the vendor fails to carry out its provisions or to make substantial progress under the terms specified in this request and the resulting Bids.

1. The County shall provide the contractor/vendor with five (5) days' notice of conditions endangering performance.

2. The County shall be obligated only for those services rendered prior to the day of notice of termination, less any liquidated damages that may be assessed for nonperformance.

3. With the mutual agreement of both parties upon receipt and acceptance of not less than forty (40) days written notice, the agreement may be terminated on an agreed date prior to the end of the contract period without penalty to either party.

4. Polk County may terminate upon thirty (30) days' notice if it determines it is in the County's interest to do so.

2.2 WARRANTIES AGAINST CONTINGENT FEES

The vendor warrants that no person or selling agency has been employed or retained to solicit and secure this contract upon an agreement of understanding for commission, percentage, brokerage, or contingency excepting bona fide employees or selling agents maintained by the contractor for the purpose of securing business. For breach or violation of this warranty, the County shall have the right to award this contract without liability, or in its discretion, to deduct from the contract price, or to otherwise recover the full amount of such commission, percentage, brokerage, or contingency.

Changes in provisions or services to be furnished under this bid may be made only in writing and must be approved mutually by the vendor and Polk County Conservation.

2.4 IMMUNITY FROM LIABILITY

Every person party to this agreement is hereby notified and agrees that Polk County, the using agency and any funding source for the using agency are immune from liability and suit for or from vendor's activities involving third parties and arising from this bid.

2.5 CONFLICTS BETWEEN TERMS

The County reserves the right to accept or reject any exception taken by the Offerer to the terms and conditions of this Invitation for Bid.

2.6 WAIVER OF INFORMALITIES

The County reserves the right to waive any and all informalities in bids if such waiver does not substantially change the offer or provide a competitive advantage to any Offerer.

2.7 TAXES - STATE AND LOCAL

A. The County is exempt from federal, state, and local sales and use tax on the equipment, parts supplied, or services pursuant to this contract.

B. Iowa Code Sections 422.42(15) & (16) and 422.47(5) authorizes the approved contractor to purchase building materials, incorporated solely into this project, tax free. Polk County, upon approval of contract by the staff, will issue Tax Exemption Certificates to prime contractor and authorized sub-contractors.

C. The Tax Exempt Certificates will allow the purchase of qualifying items to be made exempt from Iowa sales tax, applicable local option sales tax, and school infrastructure local option sales tax. It is the prime contractor's responsibility to keep records identifying the materials and supplies purchased and verifying they were used on this construction contract. Misuse of certificates could result in civil or criminal penalties.

2.8 EXCLUSIVE AGREEMENT

The agreement which results from this bid solicitation constitutes the exclusive agreement between parties and incorporates the provisions of these terms and conditions, and supersedes any previous agreements, either written or oral. The terms and conditions hereof may not be altered without prior written consent of both parties.

2.9 REMEDIES UPON DEFAULT

In any case where the vendor has failed to deliver or has delivered nonconforming goods or services, the County may procure goods or services in

substitution from another source and charge the difference between the contracted price and the market price to the defaulting vendor. The Polk County Attorney shall be requested to make collection from the defaulting vendor.

2.10 ACTS OF GOD

A. Vendor shall not be considered to be in default under this agreement, if performance is delayed or made impossible by an act of God, floods, fires, strikes, and similar events; but in each such case, the delay or impossibility must be beyond the control and without the fault or negligence of vendor.

B. It shall be the responsibility of the vendor to promptly advise the Natural Resources Manager of the delay. The County may elect to cancel all orders on file with the vendor and place the order with another vendor.

2.11 SUBCONTRACTORS

Successful vendors shall be responsible for all acts and performance of any subcontractor or secondary suppliers that the successful vendor may engage for the completion of the terms of this bid. A delay that results from a subcontractor's conduct, negligence, or failure to perform shall not exempt the vendor from default remedies. Successful vendor shall be responsible for payment to all subcontractors or secondary suppliers.

2.12 ASSIGNMENT

Vendors may not assign contracts or purchase orders to any party (including financial institutions) without written permission of Polk County Conservation.

2.13 TITLE TO GOODS

Vendor warrants that the goods procured hereunder are free from all liens, claims, or encumbrances.

2.14 INDEMNIFICATION

To the extent the goods are not manufactured in accordance with Buyer's designs, vendor shall defend, indemnify and hold harmless Buyer, Buyer's assignees, and other users of the goods from and against any claim of infringement of any letter patent, trade names, trademark, copyright, or trade secrets by reason of sale or use of any articles purchased hereunder. Buyer shall promptly notify vendor of any such claim.

2.15 DISCRIMINATION AND AFFIRMATIVE ACTION

A. Vendor shall comply with the provisions of federal, state, and local laws and regulations to insure that no employee or applicant for employment is discriminated against because of race, religion, color, age, sex, national origin, or disability. Vendor shall have an affirmative action plan and shall provide the County with reports required to insure compliance with equal employment legislation and regulations if requested. Vendor shall insure that all authorized subvendors comply with the provisions of this clause.

B. A copy of the Bidder's "Affirmative Action Plan" must be made available to Polk County upon request.

Polk County Conservation Board
Invitation to Bid
(ITB 2021 - 014)
For
Woody Vegetation and Hardscape Removal
In the
Fourmile Creek Greenway

PART III
SPECIAL REQUIREMENTS

3.1 BID SUBMITAL

Bids shall be submitted on **ATTACHED** bid sheet or via BidNet Direct.

3.2 BIDDER QUALIFICATIONS

A. Bidders shall be prepared to satisfy Owner as to integrity, experience, adequacy of equipment and personnel, and ability to perform work specified.

B. If successful bidder is a non-Iowa corporation, the bidder shall permit proof to jurisdiction prior to execution of contract of authorization by Secretary of State to do business in Iowa

3.3 BONDS

A. A "Bid" bond in the amount of 5% is required for this project.
B. Both a "Performance" and "Payment" bond will be required for this project in the amount bid.
C. A 5% retainage will be withheld from payment until final inspection of completed project.

3.4 INSURANCE CERTIFICATE

A Certificate of Insurance naming Polk County as an additional insured will be required upon award of bid as follows: "Polk County Government, it's elected officials, employees, agents and/or assigns are Additional Insured's with respect to Project: "Woody Vegetation and Hardscape Removal in the Fourmile Creek Greenway". **See Requirements included in this document.**

3.5 DETAILED PLANS

Detailed plans have been provided by Polk County Conservation.

Polk County Conservation Board
Invitation to Bid
(ITB 2021 - 014)
For
Woody Vegetation and Hardscape Removal
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PART IV
GENERAL REQUIREMENTS

4.1 SUMMARY

The work covered by this section consists of clearing and grubbing, concrete and asphalt removal, temporary erosion control measures, compaction, general backfill, and cleanup necessary to complete the project, all as shown on the drawings and as specified herein. All material generated in the aforementioned operations will be hauled off site, The Natural Resources Manager interpretation of all specifications shall be final.

Clear site of trees, shrubs, and other woody vegetation, except those indicated or directed to be left standing. **Tree to be kept have been painted with a red line encircling the trunk**. Completely remove stumps, roots, boulders and other debris protruding through the ground.

Fill depressions caused by clearing and grubbing and concrete & asphalt removal operations with satisfactory soil materials unless further excavation work is required or indicated.

The project will be a lump sum bid. Additional payments for increased quantities, labor or equipment usage will only be allowed if a change order is warranted due to a change in project scope or unforeseen conditions.

4.2 QUALITY ASSURANCE

Perform all work in compliance with applicable requirements of governing authorities having jurisdiction

4.3 PROTECTION

Protect from damage existing buildings, walks, paving, fencing, sod and other items noted to remain. Maintain bench marks, monuments, property stakes and other reference points. The Contractor is to use due caution in working over and around high pressure gas lines, and other energized lines.

Contractor is responsible for correcting damage caused to existing construction, utilities, surfacing, tile lines, and other items noted to remain at no additional expense to the owner.

4.4 SAFETY

Barricades may be required during construction as directed by the Natural Resources Manager. These barricades will be considered incidental to other work on the project. No additional compensation will be allowed.

All work and methods of construction shall conform to the State of Iowa Bureau of Labor and all OSHA Standards.

Contractor shall be responsible to notify all utility companies of the construction schedule. Contractor shall be responsible for obtaining utility locates prior to performing any excavation. **One-Call before digging – 1-800-292-8989.**

4.5 ACCESS

Access to adjacent properties shall be maintained by the contractor throughout construction.

4.6 FINISH GRADING

After completion of rough grading, scarify remaining areas to a depth of 4", or as approved by Natural Resources Manager. Grade surfaces to eliminate water pockets, irregularities, eliminate soil lumps and round off abrupt changes in slope.

4.7 SITE RESTORATION

Upon completion of construction, remove all excess materials and construction debris and restore any damage done to existing buildings or landscape.

After Contractor finishes final grading PCCB will seed areas with a seed mixture of their choice.

4.8 FINAL INSPECTION

Work will not be considered for final inspection until all the work has been completed and the Contractor has certified all items are in strict compliance with the contract documents.

The Contractor and Natural Resources Manager shall mutually agree on a date/time for a final inspection and both be present at the job site during said process.

The Natural Resources Manager will present the Contractor a list of items not meeting contract requirements. This list will be confirmed in writing and all items listed must be made acceptable before final payment will be made.

Polk County Conservation Board
Invitation to Bid
(ITB 2021 - 014)
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Woody Vegetation and Hardscape Removal
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PART V
SCOPE OF WORK

5.0 SCOPE OF WORK (General):

- See information provided by Polk County Conservation.
- Mobilization.
- Contractor is responsible for making one-call. (1-800-292-8989)

NOTE: Polk County to provide the following

- May close portion of area for public use during construction operations.
- Storage area for equipment.

FOUR MILE CREEK GREENWAY
VEGETATION AND HARDSCAPE REMOVAL
BIDDING PROPOSAL

Type of Work: Woody Vegetation Removal Project No.: ITB 2021 – 0214
Letting Date: January 4, 2022 Park/Area: Fourmile Greenway
Location: 11204 NE 118th Ave, Maxwell, IA 50161

Description of Work: The work covered by this section consists of grading, temporary erosion control measures, general preparation of subgrade, concrete removal and replacement, compaction, general backfill, and cleanup necessary to construct the project, all as shown on the maps and as specified herein.

DBE Goal (%)	Amount of Proposal Guarantee	Working Day Contracts		Calendar Date Contracts	
		Working Days	Start Date	Completion Date	Liquidated Damages Per Day
ZERO	5%	NONE		March 13, 2022	NONE

The bidder hereby certifies that no other principal is involved in or has an interest in this proposal; that the bidder has thoroughly examined the site of the work and understands that the quantities of work required by the plans and specifications are approximate only and are subject to increases and decreases; that the bidder understands that all quantities of work actually required must be performed and that payment therefore shall be at the unit process stipulated herein; that the bidder proposes to timely furnish the specified materials in the quantities required and to furnish the machinery, equipment, labor and expertise necessary to competently complete this project by the time specified; that no state or county official or employee has a direct or indirect interest in the contract which would cause violation of Iowa Code Section 314.2; that the bidder has made no agreement with any supplier of motor fuel or special fuel which will result in violation of Iowa Code Section 452A.17(8).

If this bid is accepted, Bidder agrees: to perform all "extra work" required to complete the project at unit prices or lump sums to be agreed upon in writing prior to commencement of such "extra work" or, if prior agreement cannot be reached, to perform the work on a "force-account basis" as provided in the specifications; to execute the formal contract within thirty day of the date of approval for award or to forfeit the proposal guaranty furnished herewith; to begin work in accordance with the contract documents and to either complete the work within the contract period or pay liquidated damages, which shall accrue at the daily rate specified above, for each additional working day the work remains uncompleted; and to furnish a performance bond in an amount equal to the contract award as security for the full and complete performance of the contract in accordance with the plans and specifications.

Enclosed herewith is a certified check, credit union share draft, cashier's check, bank draft on a solvent or a bid bond in the penal sum shown in the contract document as a proposal guaranty. It is understood by bidder that the said guaranty document shall be retained by the Contracting Authority as a forfeiture in the event the formal contract is not executed or performance bond is not furnished if the award is made to the undersigned.

The signing of the Bid Document shall serve as an unsworn declaration that, I (the owner, partner, President, other corporate officer, or an authorized representative) hereby certify under penalty of perjury under the laws of the United States and the State of Iowa that I have read, understand, and accept the Bidding Certifications and other provisions contained in the Proposal Notice and the DBE Contract Provisions (if a DBE goal has been set).

Proposal of _____

Name of Bidder

_____

Street Address

_____

City State Zip Code

Federal Tax I.D. No._____

Signatures are to be by authorized agent. If joint venture, each shall sign.

_____ _____ _____ _____

Signature Date Signature Date

SCHEDULE OF PRICES

Project No. ITB 2021 – 014 Park/Area: Fourmile Creek Greenway
Page No. 1 Woody Vegetation/Hardscape Removal

UNIT BIDS MUST BE TYPED OR SHOWN IN INK OR THE BID WILL BE REJECTED.

Item No.	Description	Pay Unit	Est. Quantity	Unit Price	Amount Bid
1.	CLEARING AND GRUBBING	LS	1		
2	CONCRETE/ASPHALT REMOVAL	LS	1		
3	CHIPPING AND REMOVAL	LS	1		
4	FURNISH, PLACE, COMPACT EARTH FILL / TOPSOIL	LS	1		
5	TRAFFIC CONTROL	LS	1		
6	MOBLIZATION	LS	1		

TOTAL AMOUNT BID _____

NOTE: Polk County is analyzing sites and working through regulatory processes to determine if a site within Fourmile Creek Greenway is available for soil borrow. Currently no suitable sites have been determined but we hope to have a site identified by January.

Polk County intends to work with the successful bidder to determine a method/cost to use this available soil if found. This is not **guaranteed** so all bids should include furnishing topsoil to complete this project.

FCG Restoration Area
N
E SHERIDAN AVE
E 36TH ST
E 36TH CT
E 37TH ST
E 37TH CT
Legend
Project Area
Hardscape
ARTHUR AVE
E 37TH CT
E 37TH ST
N/A
EASTON BLVD
E 38TH ST
E 38TH CT
EASTON BLVD
Auditor's Office, Polk County, Iowa

Other trees to **SAVE** within the blue areas have been marked with a red line encircling the trunk. These lines are intended to be visible from each side of the tree but every caution should be taken not to damage or remove these trees. See example left.

POLK COUNTY GOVERNMENT
SMALL BID
INSURANCE REQUIREMENTS

CONTRACTOR OBLIGATION

The contractor shall secure and maintain throughout the duration of this contract, insurance of such types and not less than the amounts specified herein. The Contracting Authority **(POLK COUNTY/Pol County Conservation)** shall be named as "Additional Insured," using the following language: **"POLK COUNTY GOVERNMENT, POLK COUNTY CONSERVATION, its Elected Officials, Employees, Agents, and Assigns."**

Insurance coverage will be considered acceptable when provided in one of the following methods:

The Contractor shall furnish the Contracting Authority with a proper Certificate of Insurance or affidavits executed by representatives of duly qualified insurance companies, doing business in IOWA for approval by the Contracting Authority.

The Certificate shall identify the following: the insurance company firm name and address; contractor firm name and address; insurance policy(s) number(s); policy period; type of policy and coverage; limits of coverage; description of operations covered; certificate holder/"Additional Insured"; and cancellation clause.

All certificates submitted for the purpose of complying with these specifications shall identify as the "Named Insured" the Contractor; and the Contracting Authority, its agents and representatives, as "Additional Insureds."

This requirement shall apply with equal force, whether the work is performed by (1) persons employed directly by the Contractor, (2) by a subcontractor, or (3) by an independent contractor.

Regardless of such approval by the Contracting Authority, it shall be the responsibility of the Contractor to maintain adequate insurance coverage at all times, and failure to do so shall not relieve the Contractor of any contractual obligation or responsibility. Failure on the part of the Contractor to maintain this insurance in full effect will be treated as such by the Contracting Authority. Failure on the part of the Contractor to comply with the requirements of this article will be considered sufficient cause to suspend the work, withhold payment(s), and/ or be disqualified from receiving further contract awards.

Insurance policies filed with the Contracting Authority shall state that thirty (30) calendar days prior written notice will be given to the Contracting Authority before any policy covered thereby is changed or canceled.

Evidence of insurance coverage as identified and stipulated by these specifications shall be approved by the Contracting Authority prior to any work being performed by the Contractor, subcontractor(s), or agents of the Contractor.

TYPES OF INSURANCE

A. **Workers' Compensation and Employers' Liability.** This insurance shall protect the Contractor against all claims under Iowa Workers' Compensation Law. The Contractor shall also be protected against claims for injury, disease, or death, or employees which for any reason, may not fall within the provisions of the Workers' Compensation Law. The insurance requirements shall not be less than the following:

1. Workers' Compensation – Statutory
2. Employers' Liability

a. **$500,000 Per Accident**
b. **$500,000 Disease, Policy Limit**
c. **$500,000 Disease, Each Employee**

B. **Commercial General Liability**. This insurance shall be written in comprehensive form and shall protect the Contracting Authority against all claims arising from injuries to any person or damage to property of others arising out of any negligence of the Contractor.

The Contractor shall provide and maintain insurance coverage to protect the Contracting Authority against any and all claims for damages for personal injury, including accidental death, as well as from claims under this contract, whether such operations be performed by the Contractor or any subcontractors, or by one directly or indirectly employed by the Contractor or any subcontractors.

The liability limits shall not be less than the following:

Each Occurrence	**$ 1,000,000**
General Aggregate	**2,000,000**
Products-Completed Operations Aggregate	**2,000,000**
Personal & Advertising Injury	**2,000,000**
Fire Damage (Any one Fire)	**100,000**
Medical Expenses (Any One Person)	**5,000**

C. **Automobile Liability.** This insurance shall be written in comprehensive form and shall protect the Contractor against all claims for the operation of motor vehicles, whether they are owned, non-owned, or hired, by or on behalf of the Contractor.

The liability limits shall not be less than the following:
$1,000,000 CSL (Combined Single Limit) per accident

D. **Excess Liability Umbrella.** The Contractor shall procure and maintain, during the life of this contract **$1,000,000 Excess Liability Coverage (Umbrella**). This coverage is over and above the underlying coverage of **$1,000,000/$2,000,000** General Liability, Automobile & Employers Liability.

E. **Builders Risk Insurance. Contractor will purchase Builder's Risk Insurance in the amount of $100,000 for all construction projects.**

F. **Subcontractors.** The contractor shall require that any of its agents and / or subcontractors, who perform work and/or services pursuant to the provisions of this contract, meet the same insurance requirements as are required of the prime contractor.

G. **Performance Bond.** A bond for the faithful and timely completion of the entire proposal must be provided with a limit of 100 percent of the contract sum **(when applicable).**

H. **Liquor Liability.** Comprehensive liquor liability coverage shall be purchased with limits not less than **$1,000,000**. **This coverage is mandatory when the contractor/vendor will be serving alcohol for consumption.**

MISCELLANEOUS.

A. **Cost of Insurance.** The Contracting Authority shall make no direct payments to the Contractor for any costs associated with securing, maintaining, and/or providing the insurance coverage required by the Contract Department. All costs of such coverage shall be included in the prices bid and no additional payments for such costs shall be made.

B. **Personal Liability of Public Officials.** In carrying out any of the provisions of the contract, or in exercising any power or authority granted to any agent or representative of the County Board thereby, there shall be no liability upon such agent or representative, including the engineer or authorized assistants, either personally or as an official of the County Board, it being understood that in such matters they act as the agent and representative of the County Board.

C. **Non-Waiver of Legal Rights.** The Contracting Authority shall not be precluded or estopped by any measurement, estimate, or certificate made either before or after the completion and acceptance of the work and payment thereof, from showing the true amount and character of the work performed and the materials furnished by the Contractor, or from showing that such measurement, estimate, or certificate is untrue or incorrectly made or that the work or materials do not in fact conform to the contract.

The Contracting Authority shall not be precluded or estopped, notwithstanding any such measurement, estimate, or certificate and payment in accordance therewith, from recovering from the Contractor and Surety such damages as it may sustain by reason of failure to comply with the terms of the contract. Neither the acceptance by the Contracting Authority, nor any representative(s), nor payment for acceptance of the whole or any part of the work, nor any extent

of time, nor any possession taken place by the Contracting Authority shall operate as a waiver of any portion of the contract, or any powers herein reserved, or any right to damages herein provided. A waiver of any breach of the contract shall not be held to be a waiver of any other subsequent breach.

D. **Litigation for Claims and Save Harmless Clause.** The Contractor shall indemnify and hold harmless the Contracting Authority, Board of Supervisors, Elected Officials, Employees, Agents, and Assigns from all suits, actions, or claims of any character brought because of any injuries or damages received or sustained by any person(s), or property because of any act, omission, or neglect in safeguarding or performing the work, or through use of unacceptable materials in constructing the work.

The Contractor shall also hold the Contraction Authority, Polk County Board of Supervisors, Elected Officials, Employees, and their Assigns harmless from all claims for damages arising from any neglect, default, or mismanagement or omission of the Contractor, any subcontractor(s), agent, or employee in the performance of any duties imposed by this contract, or by law. If any litigation on account of such claims shall be commenced against the Contracting Authority, Board of Supervisors, Elected Officials, Employees, Agents, or Assigns, the Contractor, upon notice thereof from the Contracting Authority, shall defend the same at their cost and expense; and the record of any judgement rendered against the Contracting Authority, Board of Supervisors, Elected Officials, Employees, Agents, or Assigns to recover the full amount thereof, with interest and costs, and attorney's fees incurred by said Contracting Authority. The right of action therefore shall accrue to the Contracting Authority as soon as judgement shall have been rendered, whether the Contracting Authority shall have paid the amount or not.

THE CONTRACTOR IS REQUIRED TO BE IN ACCORDANCE WITH ALL O.S.H.A. SAFETY GUIDELINES AND REGULATIONS AT ALL TIMES DURING THE CONTACT PERIOD.

POLK COUNTY GOVERNMENT
CERTIFICATE OF INSURANCE

REQUIREMENTS.

Certificates of Insurance are required on every contract to show proof of adequate insurance. A Certificate shall be submitted with each set of contract documents to the Risk Manager for review. Contract documents will not be submitted to the Board of Supervisors for execution until the Certificate of Insurance is correct and has received staff approval. The Certificate(s) must specifically identify the project (No yearly or all – project certificates will be accepted), and show **POLK COUNTY GOVERNMENT, POLK COUNTY CONSERVATION its Elected Officials, Employees, Agents, and Assigns,** as "Additional Insured."

The following statements are requirements and should aid in the preparation of an acceptable certificate. The statement numbers refer to the circled numbers on the sample certificate.

1. The name of the producer with complete address, zip code, and telephone number.

2. The Name of the Insured with complete address, zip code, and telephone number.

3. The issue date must be complete.

4. The insurance companies affording coverage must be named and approved by the Insurance Commission of the State of Iowa. The Company letters (**4a**) must be placed along the corresponding insurance coverages **(4b)**.

5. All Certificates shall state that XCU Coverage is included. (If applicable)
The limits listed below are minimum acceptable limits. The Insurance Agent should review the Contract Special Provisions for each project, and verify with **POLK COUNTY RISK MANAGEMENT** that the insurance requirements have not been changed, as limits may vary from project to project.

6. **General Liability:**

Each Occurrence	**$ 1,000,000**
General Aggregate	**$ 2,000,000**
Product Completed Operations Aggregate	**$ 2,000,000**
Personal & Advertising Injury	**$ 2,000,000**
Fire Damage (Any one fire)	
Medical Expense (Any one person)	**$ 5,000**

7. **Automobile Liability:**

Each Occurrence	**$ 1,000,000**
General Aggregate	**$ 2,000,000**

8. **Workers' Compensation:**

- Statutory Benefits
- Employers' Liability (Coverage B) **$ 500,000**

9. Excess Liability Umbrella $ 1,000,000

10. Builders Risk

a. Contractor shall purchase Builder's Risk Insurance in the amount of $100,000 for all construction projects.

11. Performance Bond

a. For the faithful and timely completion of the entire proposal with a limit of 100 percent of the contract sum
(When Applicable)

12. Liquor Liability $1,000,000

a. Mandatory for contractors/vendors who serve alcohol for consumption

13. Policy numbers for all policies must be included

14 Policy effective dates for all policies must be included

15. Policy expiration dates must be included.

16. Description of Operations: The Project Name and Work Order Number must be shown. All contracts require "**POLK COUNTY GOVERNMENT, POLK COUNTY CONSERVATION its Elected Officials, Employees, Agents, and Assigns"** to be additionally insured.

17. **POLK COUNTY GOVERNMENT** must clearly and explicitly be shown as the Certificate Holder.

18. The Cancellation Clause must read exactly as follows:

"Should any of the above described policies be canceled before the expiration date thereof, the issuing company will mail thirty (30) days written notice to the certificate holder named to the left."

19. All certificates of insurance must be signed by an authorized representative.

20. In order to preserve the governmental immunities available as defenses to contractor (or Licensor) and its officials and employees, any insurance policy must contain an endorsement with the following language:

"The Company and the Insured expressly agree and state that the purchase of this policy of insurance by the Insured does not provide coverage for torts specified in Iowa Code 670.4, and that the Insured does not waive any of the defenses of governmental immunity available to the Insured under Iowa Code 670.4 as it now exists and as it may be amended from time to time. The Company and the Insured further expressly agree and state that the Insured may, at any time, assert any of the governmental immunity defenses available to it without affecting the coverage afforded under this policy."

2021- 2022 Revenue Budget
- as of 12/31/21 (50.0% of budget year expired)

UNIT #	UNIT	Revenue Budget	Total Revenues Received	Balance Due	% Received
General - Fund 1					
0213	Equipment	$ 5,000	$ 35,671	$ (30,671)	713.4%
6006	Environmental Ed	$ 100,000	$ 31,438	$ 68,562	31.4%
6009	Natural Resources	$ 72,000	$ 113,651	$ (41,651)	157.8%
6101	Administration	$ 402,000	$ 76,458	$ 325,542	19.0%
6103	Community Outreach	$ -		$ -	0.0%
6104	Conservation Grants	$ 254,000	$ 17,108	$ 236,892	0.0%
6110	Parks Advocacy Unit	$ 672,500	$ 402,348	$ 270,152	59.8%
6118	Fleet Services	$ 10,000	$ 3,166	$ 6,834	
6119	Construction/Maint.	$ -	$ 6,850	$ (6,850)	0.0%
6124	Equestrian Center	$ 225,000	$ 74,173	$ 150,827	33.0%
Sub-Total - General Fund 1		**$ 1,740,500**	**$ 760,863**	**$ 979,637**	**43.7%**
Conservation Special Projects- Fund 6					
6125	JP Lodge	$ 100,000	$ 38,277	$ 61,723	0.0%
6126	Mitigation Banking	$ -	$ 418,424	$ (418,424)	0.0%
6127	Miscellaneous	$ 1,000	$ 4,158	$ (3,158)	415.8%
6128	Cabins	$ 110,000	$ 71,617	$ 38,383	65.1%
6129	Laurisden Skatepark	$ 2,000	$ 19,446	$ (17,446)	0.0%
Sub-Total - General Fund 6		**$ 213,000**	**$ 551,922**	**$ (338,922)**	**259.1%**
REAP - Fund 26					
0211	**Resource Enhancement**	**$ 111,000**	**$ 115,367**	**$ (4,367)**	**103.9%**
Reserve - Fund 50					
0210-0214	**Special Projects**	**$ -**	**$ -**	**$ -**	**0.0%**
Bond - Fund 51					
0210	**Water & Land Dev & Trails**	**$ 320,000**	**$ 231,246**	**$ 88,754**	**72.3%**
Conservation Enterprises - Fund 286			$ -		
6121	Golf Course	$ 304,000	$ 146,803	$ 157,197	48.3%
Sub-Total - Enterprises Fund 286		**$ 304,000**	**$ 146,803**	**$ 157,197**	**48.3%**
Grand Total - Conservation		**$ 2,688,500**	**$ 1,806,201**	**$ 882,299**	**67.2%**

2021 - 2022 Expense Budget
- as of 12/31/21 (50.0% of budget year expired)

UNIT #	UNIT	Expense Budget	Total Expended	Balance Remaining	% Expended
General - Fund 1					
0213	Equipment	$ 280,000	$ 123,197	$ 156,803	44.0%
6006	Environmental Ed	$ 708,752	$ 289,156	$ 419,596	40.8%
6009	Natural Resources	$ 1,104,160	$ 553,687	$ 550,473	50.1%
6101	Administration	$ 1,052,171	$ 709,042	$ 343,129	67.4%
6103	Community Outreach	$ 212,372	$ 86,479	$ 125,893	40.7%
6104	Conservation Grants-2018 Flood	$ 193,000	$ 50,562	$ 142,438	0.0%
6110	Parks Advocacy Unit	$ 1,370,883	$ 692,258	$ 678,625	50.5%
6118	Fleet Services	$ 538,046	$ 303,254	$ 234,792	56.4%
6119	Construction/Maint.	$ 691,364	$ 348,563	$ 342,801	50.4%
6124	Equestrian Center	$ 610,594	$ 341,822	$ 268,772	56.0%
Sub-Total - General Fund 1		**$ 6,761,342**	**$ 3,498,020**	**$ 3,263,322**	**51.7%**
6125	JP Lodge	$75,000	$3,713	$71,287	5.0%
6126	Mitigation Banking	$0	$6,625	($6,625)	0.0%
6127	Miscellaneous	$25,000	$6,074	$18,926	24.3%
6128	JP Cabins	$61,028	$32,726	$28,302	53.6%
6129	Laurisden Skatepark	$100,000	$82,125	$17,875	0.0%
Sub-Total - General Fund 6		**$261,028**	**$131,263**	**$129,765**	**50.3%**
General Supplemental - Fund 2					
All Units	**Benefits (IPERS/FICA/Ins, Etc.)**	**$ 1,524,848**	**$ 741,911**	**$ 782,937**	**48.7%**
Risk Management - Fund 3					
6100	**Insurance,Med., Work. Comp.**	**$ 35,000**	**$ 68,504**	**$ (33,504)**	**195.7%**
REAP - Fund 26					
0211	**Resource Enhancement**	**$ 107,069**	**$ 5,550**	**$ 101,519**	**5.2%**
Reserve - Fund 50					
0210-0214	**Trails, Special Projects**	**$ -**	**$ -**	**$ -**	**0.0%**
Bond - Fund 51					
0210	**Water & Land Dev & Trails**	**$ 2,524,641**	**$ 1,860,235**	**$ 664,406**	**73.7%**
Conservation Enterprises - Fund 286					
6121	Golf Course	$335,000	$101,868	$233,132	30.4%
Sub-Total - Enterprises Fund 286		**$ 335,000**	**$ 101,868**	**$ 233,132**	**30.4%**
Grand Total - Conservation		**$ 11,548,928**	**$ 6,407,351**	**$ 5,141,577**	**55.5%**

PCWLL EXPENDITURES AS OF :

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SUB-LEDGER	PROJECT	DECEMBER 2013 BOND ISSUANCE	JUNE 2015 BOND ISSUANCE	JUNE 2019 BOND ISSUANCE	ACTUAL CONSTRUCTION EXPENDITURES	ACTUAL ENGINEERING EXPENDITURES	ACTUAL MISCELLANEOUS EXPENDITURES	GRANT REVENUES AND DONATIONS	ACTUAL COSTS TO DATE	ACTUAL BALANCE REMAINING	TO BE RECEIVED
C05-R003	GAY LEA WILSON TRAIL CONNECTION (DSM-ANKEN'	$ 49,851	$ 99,643	$ -	$ 865,150	$ 94,142	$ 175	$ (809,974)	$ 149,494	$ (0)	DONE
C06-6134	CBG SHAW ACQUISITION	$ 432,776	$ -	$ -	$ -	$ -	$ 691,636	$ (258,860)	$ 432,776	$ 0	DONE
C08-6142	JESTER PARK CABINS	$ 687,625	$ -	$ -	$ 687,625	$ -	$ -	$ -	$ 687,625	$ 0	DONE
C11-6205	CVT CONN-BONDURANT TO NE 29TH	$ 1,265,051	$ 30,683	$ -	$ 1,954,413	$ 131,607	$ 7,262	$ (797,548)	$ 1,295,734	$ (0)	DONE
C12-6213	CBG WELL REPLACEMENT	$ 73,859	$ -	$ -	$ 71,746	$ 150	$ 1,963	$ -	$ 73,859	$ 0	DONE
C12-6214	CBG OBSERVATION DECK	$ 89,040	$ -	$ -	$ 77,840	$ 11,200	$ -	$ -	$ 89,040	$ (0)	DONE
C12-6218	JP EQUIPMENT MAINTENANCE BLDG RELOCATION	$ 406,291	$ 13,762	$ -	$ 420,053	$ -	$ -	$ -	$ 420,053	$ (0)	DONE
C12-6219	EC IMPROVEMENTS	$ 10,671	$ -	$ -	$ 7,253	$ 3,418	$ -	$ -	$ 10,671	$ 0	DONE
C12-6220	4-MILE CREEK WATERSHED	$ 20,309	$ -	$ 1,077,061	$ -	$ 20,309	$ -	$ -	$ 20,309	$ 0	DONE
C12-6221	JP NATURE CENTER	$ 363,349	$ 3,636,651	$ 1,000,000	$ 8,077,560	$ 2,073,148	$ 510,936	$ (4,242,785)	$ 6,418,858	$ (918,858)	$ -
C12-6222	CBG MASTER PLAN	$ 87,000	$ 484,185	$ 303,709	$ 201,148	$ 369,249	$ 1,560	$ -	$ 571,956	$ (0)	
C12-6223	ACKELSON TRAIL PHASE I (fkn EL Trail Phase I)	$ 1,083,651	$ -	$ 189	$ 903,781	$ 176,108	$ 3,951	$ -	$ 1,083,840	$ 0	DONE
C12-6224	ACKELSON TRAIL PHASE II (fka EL Trail Phase II)	$ 644,718	$ 93,918	$ -	$ 1,066,959	$ 216,221	$ 15,457	$ (560,000)	$ 738,636	$ (0)	DONE
C12-6225	ACKELSON TRAIL PHASE III (fka EL Trail Phase III)	$ 52,661	$ 941,136	$ 475,000	$ 3,906,577	$ 580,827	$ 9,891	$ (1,940,951)	$ 2,556,344	$ (0)	$ -
C12-6226	FDM POND IMPROVEMENTS & SEDIMENT BASIN	$ 679,065	$ 49,386	$ -	$ 769,399	$ 136,036	$ 23,016	$ (200,000)	$ 728,451	$ 0	DONE
C12-6227	FDM PARK IMPR-SHELTER/TRAILS/PENINSULA	$ 121,175	$ 1,364,205	$ -	$ 1,044,826	$ 203,713	$ 340,277	$ (103,437)	$ 1,485,380	$ 0	DONE
C12-6228	JP PARK IMPROVEMENTS-CAMP AREA #2 ELECTRIC	$ 382,911	$ -	$ -	$ 336,945	$ 30,450	$ 15,516	$ -	$ 382,911	$ (0)	DONE
C12-6229	HTT CONNECTOR TO GLW (fka Neal Smith)	$ 9,800	$ 1,404	$ 350	$ -	$ 11,554	$ -	$ -	$ 11,554	$ (0)	DONE
C12-6230	TM CAMP CREEK STABILIZATION	$ 1,027,125	$ 38,682	$ -	$ 867,694	$ 198,000	$ 113	$ -	$ 1,065,807	$ (0)	DONE
C12-6231	TM PARK IMPROVEMENTS& SHOWER HOUSE	$ 56,574	$ 57,371	$ 160,055	$ 43,175	$ 57,553	$ 24,712	$ (1,205)	$ 124,236	$ (0)	
C12-6232	YB PARK IMPROVEMENTS	$ 55,797	$ 626,772	$ 504,608	$ 1,063,298	$ 204,745	$ 175,407	$ (209,981)	$ 1,233,469	$ 88,461	
C19-6323	YB SHOP BUILDING				$ 79,758		$ 5,490		$ 85,247	$ (70,113)	
C19-6338	YB CABINS	$ -	$ -	$ -	$ -	$ 17,109	$ 1,280	$ -	$ 18,389	$ (18,389)	
C12-6233	TRAIL IMPROVEMENTS ALL AREAS	$ 33,720	$ 126,863	$ 488,280	$ 121,539	$ 20,500	$ 8,052	$ (3,002)	$ 147,089	$ (0)	DONE
C12-6234	JP ENTRANCE RELOCATION	$ 352,768	$ 743,313	$ -	$ 946,670	$ 122,707	$ 37,197	$ -	$ 1,106,573	$ 0	DONE
C12-6235	CBG WOOSLEY PROPERTY	$ 2,200	$ 516,683	$ -	$ -	$ -	$ 518,883	$ -	$ 518,883	$ (0)	DONE
C12-6236	CBG MENDENHALL ACQUISITION	$ 681,167	$ -	$ -	$ -	$ -	$ 681,167	$ -	$ 681,167	$ 0	DONE
C12-6237	CXT VAULT TOILETS	$ 64,133	$ 106,807	$ 97,987	$ -	$ -	$ 268,927	$ -	$ 268,927	$ 0	
C12-6238	CBG WETLANDS/DRAINAGE RESTORATION	$ 67,221	$ 303,836	$ 277,474	$ 521,244	$ 147,214	$ 10,421	$ (100,000)	$ 578,878	$ (0)	DONE
C12-6239	YB DAM REPAIRS	$ 898,097	$ -	$ -	$ 775,964	$ 112,507	$ 9,626	$ -	$ 898,097	$ 0	DONE
C12-6240	BEAVER CREEK LAND ACQUISITION	$ 93,469	$ -	$ -	$ -	$ 457	$ 93,012	$ -	$ 93,469	$ 0	DONE
C12-6242	ROAD & PARKING LOT RESURFACING ALL AREAS	$ 200,237	$ 615,221	$ 706,624	$ 1,285,426	$ 8,219	$ -	$ -	$ 1,293,645	$ 217,945	
C12-6243	CAMP CREEK-MILLER/RIST LAND ACQUISITION	$ 342,197	$ 3,408	$ -	$ -	$ -	$ 345,605	$ -	$ 345,605	$ -	DONE
C12-6244	CBG AIRPORT 16 ACQUISITION	$ 75,588	$ -	$ -	$ -	$ -	$ 75,588	$ -	$ 75,588	$ -	DONE
C12-6245	YB ALITZ PROPERTY ACQUISITION	$ 298,950	$ -	$ -	$ -	$ -	$ 298,950	$ -	$ 298,950	$ 0	DONE
C12-6246	CBG FREELAND LAND ACQUISITION	$ 204,437	$ -	$ -	$ -	$ -	$ 204,437	$ -	$ 204,437	$ -	DONE
C12-6247	CBG AIRPORT 60 LAND ACQUISITION	$ 242,087	$ (60,638)	$ -	$ -	$ -	$ 246,099	$ (64,650)	$ 181,449	$ 0	DONE
C12-6248	CBG EVERLY PROPERTY-NO SALE APPRAISAL ONLY	$ 1,200	$ -	$ -	$ -	$ -	$ 1,200	$ -	$ 1,200	$ -	DONE

PCWLL EXPENDITURES AS OF :

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C12-6249	BROWN'S WOODS TRAILHEAD IMPROVEMENTS	$ 49,882	$ 77,804	$ -	$ 89,387	$ 5,225	$ 33,075	$ -	$ 127,686	$ (0)	DONE
C12-6250	YB PRIEST PROPERTY ACQUISITION	$ 321,640	$ 11,775	$ -	$ -	$ -	$ 333,415	$ -	$ 333,415	$ -	DONE
C12-9999	MISC MINOR IMPR, EQUIP & INTEREST	$ 339,492	$ 330,508	$ 267,385	$ 230,304	$ 77,193	$ 787,880	$ (173,200)	$ 922,178	$ (540)	
C13-6251	OVERALL PROGRAM MANAGEMENT	$ 43,095	$ (3,095)	$ 20,000	$ -	$ 43,095	$ -	$ -	$ 43,095	$ 0	DONE
C13-6252	EL LODGE CONSTRUCTION	$ -	$ -	$ 400,000	$ -	$ -	$ -	$ -	$ -	$ -	
C13-6253	TM ACCESSIBLE TRAIL AROUND POND	$ 165,338	$ -	$ -	$ 94,351	$ -	$ 70,987	$ -	$ 165,338	$ (0)	DONE
C13-6254	TM OVERLIN PROPERTY ACQUISITION	$ 74,257	$ -	$ -	$ -	$ -	$ 74,257	$ -	$ 74,257	$ -	DONE
C13-6255	MALLY'S STREAMBANK STABILIZATION	$ 400	$ (400)	$ 400	$ -	$ 400	$ 311	$ -	$ 711	$ (0)	DONE
C13-6256	PCWLL PUBLIC AWARENESS	$ 2,723	$ (2,723)	$ 11,797	$ -	$ -	$ 36,797	$ -	$ 36,797	$ (0)	
C13-6258	NATURAL AREA RESTORATIONS	$ 8,481	$ 289,156	$ 1,378,389	$ -	$ 10,721	$ 871,062	$ (25,000)	$ 856,783	$ 601,363	
C13-6259	JP ORWC	$ 4,200	$ (4,200)	$ 4,200	$ -	$ 4,200	$ 23,983	$ -	$ 28,183	$ 0	DONE
C13-6261	ANKENY HTT EXTENSION TO DSM	$ 908,585	$ -	$ -	$ -	$ -	$ 3,073,585	$ (2,165,000)	$ 908,585	$ 0	DONE
C13-6262	EL J.C. WHITE PROPERTY	$ 187,685	$ 8,913	$ 1,050	$ -	$ -	$ 289,857	$ (92,209)	$ 197,648	$ (0)	DONE
C13-6263	CVT SPUR TO MALLY'S	$ 1,100	$ 150,837	$ -	$ 87,283	$ 49,957	$ 14,697	$ -	$ 151,937	$ 0	DONE
C13-6265	YB BANE PROPERTY	$ 238,750	$ 24,374	$ -	$ -	$ -	$ 263,124	$ -	$ 263,124	$ (0)	DONE
C14-6268	EL DIKES/DREDGING/WATER QUALITY	$ 230,289	$ 2,364,456	$ 255	$ 6,530,936	$ 1,136,944	$ 486,867	$ (4,478,758)	$ 3,675,988	$ (0)	
C14-6269	FDSM CLASSROOM	$ 12,873	$ (12,873)		$ -	$ -	$ -			$ -	DONE
C14-6270	EL COVERED BRIDGE IMPROVEMENTS	$ 62,714	$ -	$ -	$ 56,920	$ -	$ 5,794	$ -	$ 62,714	$ 0	DONE
C14-6271	CBG KAL-DEN FARMS PROPERTY (SWAN LAKE)	$ 100,090	$ (20,000)	$ -	$ -	$ -	$ 143,590	$ (63,500)	$ 80,090	$ 0	DONE
C14-6272	EL RAIN GARDENS	$ 15,379	$ (8,983)	$ -	$ -	$ -	$ 28,874	$ (22,478)	$ 6,396	$ (0)	DONE
C14-6274	CONSERVATION CORPS	$ 48,898	$ 152,702	$ 483,238	$ -	$ -	$ 816,004	$ -	$ 816,004	$ 0	
C14-6275	GWT-BILL RILEY TRAIL	$ 22,672	$ 160,641	$ -	$ 138,984	$ 44,285	$ 44	$ -	$ 183,313	$ 0	DONE
C14-6276	CBG SMITH PROPERTY	$ 34,687	$ 124,738	$ -	$ -	$ -	$ 159,425	$ -	$ 159,425	$ -	DONE
C15-6277	WATER QUALITY	$ -	$ -	$ 1,133,815	$ -	$ 163,108	$ 1,668,938	$ (120,000)	$ 1,712,045	$ (7,542)	DONE
C15-6278	CBG HALE POND REPAIR	$ -	$ 37,051	$ -	$ 36,825	$ 226	$ -	$ -	$ 37,051	$ -	DONE
C15-6279	DNR WATER REC ACCESS GRANT-FDM	$ -	$ 7,105	$ 45	$ -	$ -	$ 28,600	$ (21,450)	$ 7,150	$ -	DONE
C15-6281	TM STROSAHL	$ -	$ 360,475	$ -	$ -	$ -	$ 360,475	$ -	$ 360,475	$ -	DONE
C16-6282	4-MILE CREEK MASTER PLAN	$ -	$ -	$ 62,000	$ -	$ 62,000	$ 1,407	$ -	$ 63,407	$ 0	DONE
C16-6283	TM MURRAY PROPERTY	$ -	$ 211,045	$ -	$ -	$ -	$ 246,045	$ (35,000)	$ 211,045	$ -	DONE
C16-6284	YB MILLER PROPERTY	$ -	$ 2,655	$ 700	$ -	$ -	$ 3,355	$ -	$ 3,355	$ -	DONE
C16-6285	CBG KIMBERLY FARMS PROPERTY	$ -	$ 500	$ -	$ -	$ 7,078	$ (2,964)	$ (64,000)	$ (59,886)	$ 60,386	DONE
C16-6286	EL DELANEY PROPERTY	$ -	$ 5,122	$ -	$ -	$ -	$ 5,122	$ -	$ 5,122	$ -	DONE
C16-6287	EC MASTER PLAN IMPROVEMENTS	$ -	$ 500,000	$ 17,866	$ 468,119	$ 2,526	$ 47,221	$ -	$ 517,866	$ 0	DONE
C16-6288	EL CHURCH PROPERTY	$ -	$ 35,615	$ 92,019	$ -	$ -	$ 127,634	$ -	$ 127,634	$ -	DONE
C17-6289	4-MILE WILSON PROPERTY	$ -	$ 52,792	$ -	$ -	$ -	$ 52,792	$ -	$ 52,792	$ -	DONE
C17-6290	CG CLUBHOUSE RENOVATIONS	$ -	$ 8,829	$ 391,171	$ 325,288	$ 68,279	$ 6,433	$ -	$ 400,000	$ -	
C17-6291	4-MILE BAIN PROPERTY	$ -	$ 336,054	$ 210,989	$ -	$ -	$ 547,043	$ -	$ 547,043	$ 0	DONE
C17-6292	CBG MORGAN PROPERTY	$ -	$ 372,200	$ -	$ -	$ -	$ 372,200	$ -	$ 372,200	$ -	DONE

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C17-6293	4-MILE TRAILS END PROPERTY	$ -	$ 3,500	$ 1,311,550	$ -	$ -	$ 1,315,050	$ -	$ 1,315,050	$ (0)	DONE
C17-6295	CVT CONN-NE 29TH TO BROADWAY	$ -	$ 83,885	$ 429,000	$ 302,302	$ 131,525	$ -	$ -	$ 433,827	$ 0	
C17-6296	BEAVER CREEK WATERSHED IMPOVEMENTS	$ -	$ 5,000	$ -	$ -	$ -	$ 5,000	$ -	$ 5,000	$ -	DONE
C17-6297	CBG-DYKSTRA PROPERTY	$ -	$ -	$ 335,368	$ -	$ 21,297	$ 590,416	$ (268,033)	$ 343,680	$ 0	DONE
C17-6298	CBG-VEASMAN PROPERTY	$ -	$ -	$ 500	$ -	$ -	$ 500	$ -	$ 500	$ -	DONE
C17-6299	CBG-K KIMBERLY PROPERTY	$ -	$ -	$ 592,623	$ -	$ -	$ 594,851	$ (232,102)	$ 362,749	$ 232,102	DONE
C18-6302	WETLAND BANKING	$ -	$ -	$ 80,573	$ -	$ 140,341	$ 158,720	$ -	$ 299,061	$ 0	
C18-6303	CBG-PROPERTY 18	$ -	$ -	$ 950	$ -	$ -	$ 950	$ -	$ 950	$ -	DONE
C18-6304	4-MILE O'MARA PROPERTY	$ -	$ -	$ 4,400	$ -	$ -	$ 4,400	$ -	$ 4,400	$ -	DONE
C18-6305	YB PORTER PROPERTY	$ -	$ -	$ 151,181	$ -	$ -	$ 151,519	$ -	$ 151,519	$ 0	DONE
C18-6306	YB JACK MILLER PROPERTY	$ -	$ -	$ 1,500	$ -	$ -	$ 1,500	$ -	$ 1,500	$ -	DONE
C18-6307	EL HAGER PROPERTY	$ -	$ 512,416	$ -	$ -	$ -	$ 512,416	$ -	$ 512,416	$ -	DONE
C18-6309	EAGLE ROOST GOODHUE	$ -	$ 2,421	$ 79	$ -	$ -	$ 2,500	$ -	$ 2,500	$ -	DONE
C18-6310	EAGLE ROOST JOHNSON	$ -	$ 1,250	$ -	$ -	$ -	$ 1,250	$ -	$ 1,250	$ -	
C18-6312	MISCELLANEOUS LAND	$ -	$ -	$ 16,945	$ -	$ 4,317	$ 62,447	$ -	$ 66,764	$ 13,148	
C18-6313	EASTER LAKE CAMPGROUND	$ -	$ 4,336	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
C18-6314	JESTER PARK LODGE	$ -	$ -	$ -	$ -	$ -	$ (851)	$ -	$ (851)	$ (0)	
C19-6318	NR SHOP	$ -	$ -	$ 2,000,000	$ 1,840,778	$ 11,293	$ 233,811	$ -	$ 2,085,883	$ 0	
C19-6319	CBG - RANGER HOUSE	$ -	$ -	$ -	$ 287,149	$ -	$ 32,265	$ -	$ 319,414	$ 0	
C19-6320	T2T BRIDGE	$ -	$ -	$ -	$ -	$ -		$ -	$ -	$ -	
C19-6324	4-MILE GREENWAY RESTORATION	$ -	$ -	$ 14,634	$ 6,048	$ 19,204	$ 1,460	$ -	$ 26,712	$ 0	
C19-6325	CBG-SPRAGUE PROPERTY	$ -	$ -	$ 116,099	$ -	$ 338	$ 115,761	$ -	$ 116,099	$ (0)	
C19-6327	EL - NORTH SHORE IMPROVEMENTS	$ -	$ -	$ -	$ -	$ 21,567	$ 89,723	$ (71,070)	$ 40,219	$ 347,348	
C19-6328	MALLY'S WILLIAMSON	$ -	$ -	$ 120,913	$ -	$ -	$ 120,913	$ -	$ 120,913	$ -	
C19-6330	YB - DEBOEF PROPERTY	$ -	$ -	$ 57,836	$ -	$ -	$ 57,836	$ -	$ 57,836	$ 0	
C19-6331	YB- DEATON	$ -	$ -	$ 59,804	$ -	$ -	$ 60,176	$ -	$ 60,176	$ 0	
C19-6334	CBG LANE PROPERTY	$ -	$ -	$ 568,705	$ -	$ 862	$ 592,966	$ (53,381)	$ 540,447	$ 28,258	
C19-6337	JP BIOCELLS	$ -	$ -	$ -	$ 24,129	$ -	$ 19,020	$ -	$ 43,149	$ (0)	
C20-6341	CBG/DAN MILLER PROPERTY	$ -	$ -	$ 206,998	$ -	$ 2,100	$ 204,898	$ -	$ 206,998	$ 0	
C20-6342	YB/PUIA PROPERTY	$ -	$ -	$ 10,224	$ -	$ -	$ 10,224	$ -	$ 10,224	$ -	
C20-6343	4-MILE/SLEEP HOLLOW	$ -	$ -	$ 248,008	$ -	$ -	$ 248,008	$ -	$ 248,008	$ -	
C20-6344	MALLY'S/RANKIN	$ -		$ 2,652	$ -	$ -	$ 2,652	$ -	$ 2,652	$ -	
C20-6346	JESTER PARK CAMPGROUND #1 IMPROVEMENTS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
C20-6349	COPPER CREEK	$ -	$ -	$ 301,972	$ -	$ -	$ 301,972	$ -	$ 301,972	$ -	
C20-6351	EASTERN MOUNDS	$ -	$ -	$ 35,200	$ -	$ -	$ 35,200	$ -	$ 35,200	$ -	
C20-6352	HTT TO POLK CITY	$ -	$ -	$ -	$ -	$ -	$ 6,000	$ -	$ 6,000	$ (6,000)	

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LAND ACQ	LAND ACQUISITIONS	$ -	$ -	$ 4,118,830	$ -	$ -	$ -	$ -	$ -	$ 2,243,107	
C18-6312	MISCELLANEOUS LAND	$ -	$ -	$ -	$ -	$ -	$ -		$ -	$ -	
C19-6332	4-MILE GREINER PROPERTY	$ -	$ -	$ 2,200	$ -	$ -	$ 2,200		$ 2,200	$ -	
C19-6333	ADELPHI	$ -	$ -	$ -	$ -	$ -	$ -		$ -	$ -	
C19-6335	BEAVER CREEK - SWAICH	$ -	$ -	$ 1,800	$ -	$ -	$ 1,800		$ 1,800	$ -	
		$ 14,030,000	**$ 15,979,172**	**$ 20,357,200**	**$ 36,614,846**	**$ 6,975,220**	**$ 21,143,286**	**$ (17,177,575)**	**$ 47,555,777**	**$ 2,810,677**	**$ -**

Polk County Conservation Board
5:30 p.m. - Polk County Administration Bldg., Room 120
111 Court Ave., Des Moines, IA

PROCEEDINGS OF THE POLK COUNTY CONSERVATION BOARD

The Polk County Conservation Board met in person for regular session on Wednesday, December 8, 2021. The meeting was called to order at 5:30 p.m.

#21-1201 Roll Call
Members Present: Crane, Lewis, Mollenhauer (Zoom), Cataldo
Members Absent: Altringer

#21-1202 Public Comments

#21-1203 New Employee Introductions
a. Shelly Nesheim – HR Specialist
b. Allison Wisgerhof – Youth Corps Coordinator

#21-1204 Equestrian Center Challenge Trail Presentation

#21-1205 Financial Reports

#21-1206 MOVED BY Crane to approve the November 10, 2021 meeting minutes.
Vote Yea: Crane, Mollenhauer, Cataldo, Lewis
Members Absent: Altringer

CONSENT AGENDA

#21-1207 Approving bill list.

#21-1208 Ratifying the recommendation to the Polk County Board of Supervisors to approve a permanent ingress/egress access easement to Daniel and Laura Miller near Chichaqua Bottoms Greenbelt.

#21-1209 Approving rental and fee adjustments for the Jester Park and Thomas Mitchell cabins, electric, non-electric and full hookup campsites, and Jester Park Equestrian Center, effective January 3, 2022.

#21-1210 Approving revised job classification/description for the Conservation Facility Attendant position(s) and establishing the miscellaneous pay rate at $15.00 per hour following the Polk County Board of Supervisors resolution at their December 14, 2021 meeting.

#21-1211 Approving the six week equipment lease agreement with Midwest Underground (MWU)-Bondurant for the Rayco T200 forestry mower in the

amount of $22,500.00.

LET THE RECORD SHOW it was moved by _Cataldo_ to approve the consent agenda.
Vote Yea: Mollenhauer, Cataldo, Lewis, Cataldo,
Members Absent: Altringer

ACTION ITEMS

#21-1212 Approving both agreements with Shive Hattery and Hansen Company and Polk County Conservation Board for Professional Design Services and Construction Management Services for the Easter Lake North Shore Development Project for a total of $732,000.

LET THE RECORD SHOW it was moved by _Lewis_ to approve Action Item 21-1212.
Vote Yea: Lewis, Mollenhauer, Cataldo, Crane
Members Absent: Altringer

#21-1213 Approving the proposal from Wright Outdoor Solutions to provide installation and maintenance services for three years in an amount of $38,700.00 for the Great Western Trail planting for the proposed tunnel at County Line Rd.

LET THE RECORD SHOW it was moved by _Mollenhauer__ to approve Action Item 21-1213.
Vote Yea: Lewis, Mollenhauer, Cataldo, Crane
Members Absent: Altringer

#21-1214 Approving the proposal from IMBA (International Mountain Biking Association) Trail Solutions in the contract amount of $44,930.00 for Planning/Design Services for the Copper Creek Mountain Bike Park.

LET THE RECORD SHOW it was moved by __Lewis_____ to approve Action Item 21-1214.
Vote Yea: Lewis, Mollenhauer, Cataldo, Crane
Members Absent: Altringer

#21-1215 Public Hearing approving plans, specifications, form of contract, engineer's estimate, and designating lowest responsible bidder for the construction of the Trestle-to-Trestle Bridge project to United Contractors Inc. in a contract amount of $1,921,858.00 plus a 5% contingency and authorizing the Polk County Engineer to digitally sign contract, performance bond, closeout documents, and act as Owner Agent on behalf of Polk County Conservation during construction administration.

LET THE RECORD SHOW it was moved by __Mollenhauer___ to approve Action Item 21-1215.
Vote Yea: Lewis, Mollenhauer, Cataldo, Crane
Members Absent: Altringer

BOARD DISCUSSION

Director's Remarks

2022 Bond – Kami Rankin and Rich Leopold met with Deb Anderson and John Norris to discuss budget/timeline for bond expenditures. First bid letting will involve capital improvement projects, land acquisitions, and water trails. There are administrative advantages to planning expenditures every two years. Projects that are being discussed for budgeting: ICON, Sleepy Hollow, Easter Lake North Shore, CBG research station/Speck property

The question was asked: "How will past Bond projects be handled as it overlaps with new Bond expenditures?"

Answer: $3-$4 Million remains from 2012 Bond funds – funds need to be spent by June 2022. The Bond allocation pie chart which illustrates how 2012 funds were spent will be updated as the funds are closed out.

Another question was asked: "Has the increase in the cost of goods created a concern?"

Answer: Yes, but PCC wasn't surprised. For instance, with projects like the Easter Lake North Shore Improvement Project, the pre-design cost estimates in 2019 were very preliminary and due to the delay from COVID, cost increases were to be expected. Also, the Trestle to Trestle Bridge project has been prolonged for various reasons, but the overall cost increase was around 10%, which was better than expected considering the time that has elapsed.

Point of Sale Analysis – Katie Stoklasa is currently researching point of sale needs for the entirety of the Polk County Conservation system. Currently there are three types of systems being used: www.mycountyparks.com for online reservations, www.fareharbor.com for equestrian center trail rides, sleigh rides, and other activities, and Square for at-the-gate ticket sales for Glow Wild. A consolidated point of sale system that could integrate with Polk County financial systems would capture efficiencies and streamline profit/loss reporting, as well as equip staff to manage retail inventory, perform over-the-counter sales, and ensure compliance with cash handling procedures. PCC has received feedback from the general public that educational items and/or merchandise would be well received if offered at places like the Jester Park Nature Center and the Outdoor Rec & Wellness Center. In the near future, PCC will be expanding its operations to include Sleepy Hollow (winter sports and equipment rental plus other warm weather activities), and will continue to grow operations in places like Chichaqua Bottoms Greenbelt (Speck Property conversion to research station or visitor's center), Easter Lake (new concessions building and accessible amenities), and Yellow Banks Park (full service camp sites). A point of sale system that is customizable and expandable would be ideal so Katie is looking into hiring a consultant to do an analysis of PCC's point of sale needs and potential growth opportunities.

Greg Lewis: A point of sale system would pay for itself over time, if it helps facilitate more efficient business operations.

Other PCC things to note: Doug Romig has started his new position in Thornton, CO and as a

gesture of thanks for his impactful service at PCC a piece of art will be dedicated to Doug at Easter Lake's North Shore. Doug played a significant part in driving the direction and momentum of the Easter Lake North Shore project, which will set a precedent nationally for incorporating universal design and accessibility into outdoor recreation spaces.

The Diversity, Equity, & Inclusion Committee, Land Acquisition Committee, and Sustainability Committee were formed to further explore and develop action plans pertaining to various parts of the PCC Strategic Plan. These committees have been meeting regularly and are developing reports which will capture specifics regarding these action plans. Information from these committees should be forthcoming in the next few months.

2022 Election of PCC Board Member Officers:
Board Chair: Ryan Crane (Nominated by Greg Lewis, Seconded by Jim Cataldo)
Vice Chair: Greg Lewis (Nominated by Jim Cataldo)
Secretary: Pam Mollenhauer (Nominated by Greg Lewis)

LET THE RECORD SHOW it was moved by __Cataldo___ to approve the appointment of 2022 Polk County Conservation Board Officers.

Vote Yea: Lewis, Mollenhauer, Cataldo, Crane
Members Absent: Altringer

Board & Chair Remarks

Lewis: Friends and acquaintances within the biking community are very excited about the 42 acres of "disaster area" that is being converted to the Copper Creek Bike Trail. Some concerns have been raised about keeping ATV's out of the area between Hubbell & University Ave – police are slow to arrive if an issue is called in and the ATV users are usually gone when they do arrive.

Leopold: PCC will have to strategically design a contingency plan similar to the one implemented at Strasser Woods – increased usage/traffic will help curb any misuse.

Lewis: There have also been concerns raised about poaching white tail deer on Easter Lake property and Ewing Park property. The DNR & PCC Rangers have been made aware, but wondering if there's anything more that can be done?

Leopold: The park rangers will engage with any poachers – we can make all seven rangers aware of the concern.

Mollenhauer: Is the date of our planning meeting Jan 6th? Answer: Yes

CLOSED SESSION

#21-1216 Moved by __Mollenhauer__ to go into closed session pursuant to Iowa Code Section 21.5(j) to discuss the purchase or sale of particular real estate only where premature disclosure could be reasonably expected to increase the price the governmental body would have to pay for that property or reduce

the price the governmental body would receive for that property.
Vote Yea: Crane, Mollenhauer, Cataldo, Lewis
Members Absent: Altringer

Closed Session Attendees: Katie Stoklasa, Rich Leopold, Kami Rankin, Ryan Crane, Cassie Cook, Doug Sheeley, Kate Clark, Greg Lewis, Natalie McFarlane (Zoom), Adam Fendrick, Pam Mollenhauer, Jim Cataldo

Action on closed session:
Moved by _Mollenhauer_____ to return to open session.
Vote Yea: Crane, Lewis, Mollenhauer, Cataldo
Members Absent: Altringer

Adjournment - Meeting adjourned at __7:07_ p.m.

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	CONSENT 22-0109 Kami Rankin Deputy Director

AGENDA HEADING:
Approving update to the Polk County Conservation Board's Bylaws.

INFORMATION:
Every year Polk County Conservation is required to review its Bylaws in January for the administration, development, operations and management of its areas, its facilities and its employees and to make corrections, clarifications as needed to update said Bylaws. There is one text modification recommended to update Bylaws to match the Deputy Director and Director's purchasing authority as stated in the PCC Administrative Manual Procurement Policy from $15,000 to $25,000 as was approved by the PCC Board on 8/14/19 Roll Call #19-0818.

FISCAL IMPACT: N/A
Amount:

Source:

PREVIOUS BOARD ACTION(S):

Date: February 13, 2021
Roll Call: 21-0213 (Yea-5)
Action: Approving revisions of the Polk County Conservation Board Bylaws – Second Vote.

Date: January 18, 2021
Roll Call: 21-0118 (Yea-4; Vacant 1)
Action: Approving revisions of the Polk County Conservation Board Bylaws and place on the February Board meeting for adoption, action requires two affirmative votes.

Date: August 14, 2019
Roll Call: 19-0818
Action: Approving amendments to the Administrative Manual Procurement Policy, **increasing Deputy Director and Directors' purchasing authority from $10,000 to** $25,000.

Date: January 9, 2019
Roll Call: 19-0109 (Yea-5)
Action: Approving Bylaws of the Polk County Conservation Board

RECOMMENDATION:
Approving update to the Polk County Conservation Board's Bylaws.

BYLAWS
OF THE
POLK COUNTY CONSERVATION BOARD
CY 2022

WHEREAS, the Bylaws governing the Polk County Conservation Board were originally adopted on the 8th day of January, 1958, and;

WHEREAS, the Polk County Conservation Board shall review its Bylaws annually to ensure functionality regarding the governance, administration and management of Polk County Conservation.

NOW THEREFORE, We, the undersigned members of the Conservation Board, as duly appointed by the Polk County Board of Supervisors, and as authorized by Chapter 350, Code of Iowa, do so decree as follows:

ARTICLE I. That all the covenants and provisions of former Bylaws as amended and adopted by the Polk County Conservation Board prior to this date are here and now annulled, canceled, revoked, and of no consequence for effect in the administration, development or operation and management of its areas, its facilities, nor its employees.

ARTICLE II. That Chapter 350, Code of Iowa, is recognized as, and declared to be, the governing authority; and that the purpose, and the power and duties, as defined and set forth in said Chapter shall control the functions of the Conservation Board, its employees, and/or its facilities.

ARTICLE III. That there shall be selected preceding the first regular meeting of each calendar year, from its members, by its members, a chairperson, a vice-chairperson and a secretary, who shall serve as officers of the Board for the calendar year and/or until their successors are selected and qualify. In the event that the chairperson is absent, the vice-chair shall serve as the pro-tem chairperson. In the event that both the chairperson and vice-chairperson are absent, the secretary shall serve as the pro-tem chairperson and, if necessary, a temporary secretary shall be appointed. The pro-tem chair shall be authorized to conduct the meeting and to sign any documents requiring signatures when said documents were the result of any action by the Board at the particular meeting.

ARTICLE IV. That this Board shall generally meet on the second Wednesday of each month at such time and place as may be designated by the chairperson, and said meeting shall be known as the regular meeting of the Board. That Board Members shall be expected to make all reasonable efforts to attend all regularly scheduled meetings; absences in excess of 1/3 of the regularly scheduled meetings in a six-month period will subject the Board Member's appointment to review by the Board. Special meetings may be called by the chairperson, or a majority of the members, when necessary for specific purposes requiring Board action. A closed session may be held by affirmative vote of two-thirds of the members present in accordance with Chapter 21 of the Iowa Code.

ARTICLE V. That an executive officer shall be employed and shall be known as the Director. S/He shall be responsible to serve at the pleasure of the Conservation Board and the Board shall evaluate his/her performance annually by the month of December.

There shall be a Deputy Director employed who shall possess all the powers and perform all the duties prescribed for the Director in these Bylaws during the absence or disability of the Director or in the event of a vacancy in the office of Director; and shall perform such duties and exercise such powers as may be prescribed by the Director.

ARTICLE VI. That the principal duties of the Director shall include:

a. The preparation of the agenda for each regular monthly meeting and to assist the chairperson in the functions of the meeting as required.

b. To annually outline and recommend to the Board a budget that includes a program of administration, development, maintenance and operation, for each budgetary year, including an estimated cost, which shall be presented to the Conservation Board prior to submission to the Board of Supervisors. To present and explain amendments and modifications to the annual budget that may occur during the year to the Board prior to submission to the budget staff of the Board of Supervisors.

c. The budget, or periodic budget amendments, as approved by the Conservation Board, shall be presented and explained by the director to the Board of Supervisors at each annual budget hearing or at periodic budget amendment hearings.

d. S/He shall keep well informed on the current trends, functions, procedures, and philosophies in outdoor recreation and environmental education; on the design of park facilities and development; and in the preservation and rehabilitation of conservation areas; and shall periodically report to the Conservation Board the results of his/her research and investigation in these fields.

b. S/He shall review and approve all expenditures as established by the Board and is authorized to requisition warrants from the County Auditors Office for the payment of duly acknowledged claims. S/He shall submit to the Board monthly financial statements on the status of the conservation budget.

c. As required by statute, s/he shall prepare an annual report covering each calendar year as terminated and include, therein, his/her recommendations for future expansion and development.

d. S/He will develop and maintain long-range strategic plans as approved by the Conservation Board to provide guidance in the planning and implementation of programs and projects.

ARTICLE VII. That the Director, with the approval of the Conservation Board, is authorized to employ assistants and employees as may be necessary for proper and efficient administration, for development of, and for the maintenance and operation for such property and facilities as may be acquired by the Conservation Board, and/or responsibilities assumed within the framework of statutory authority.

That the compensation for the Director, his/her full-time assistants and employees, shall be determined by the Polk County Human Services Department and shall be comparable and commensurate with the annual salaries, or hourly wages as established by the Board of Supervisors for similar duties and responsibilities as other county officers and employees, when such salaries and rates are not in conflict with statutory limitations. Vacations, sick leaves, holidays and other employee benefits shall be in conformity with the regulation as established for other Polk County officers and employees. The Director is authorized to employ and establish hourly wage rates for seasonal/intermittent employees as set forth in the Conservation Board's budget.

ARTICLE VIII. That the Director, and any employees as s/he may designate, may be appointed peace officers as authorized by Section 350, and within the purview of Section 80B of the Code of Iowa.

ARTICLE IX. That any single expenditure, or contract for services, purchase of equipment or material supplies, or to enter into rental agreements or construction contracts, shall conform to the following procedures:

a. For the purchase of minor items and to provide for "change", a petty cash fund and change funds may be established not to exceed $100 when authorized by the Director. Claims for reimbursement to the petty cash fund shall be submitted to the County Auditor as required and based on receipted amounts of each expenditure.

b. Items of expenditure of $5,000 or more shall, when possible and reasonable, be selected from at least three (3) quotations from qualified vendors and approved by the Director or his/her designee. No prior approval is required by the PCCB; however, PCCB ratifies monthly list of expenditures at each monthly regular meeting

c. Items of expenditures up to $10,000 shall require approval of the Director or his/her designee. No prior approval is required by the PCCB; however, PCCB ratifies monthly list of expenditures at each monthly regular meeting. In emergency situations (defined as immediate public health and welfare) the Director may spend up to $20,000 as necessary to meet the needs of the emergency within 48 hours and inform the Conservation Board of any emergency spending as soon as possible.

d. Items of expenditures above $~~15,000~~25,000 shall be selected from at least three (3) quotations from qualified firms or supplies when applicable and the approval of at least three (3) Board Members before purchase. Members may be polled for approval. All quotations received shall be retained in the files for at least three (3) years.

e. Contracts or purchases for public improvements as defined by Sections 26.2(3), 73A.1(3) and 573.1(4)(2011) shall conform to the requirements of said Chapters 26, 573 and 73A.

f. The Director, or his/her duly appointed representative is authorized and empowered to act for the Board in receiving, opening, and recording bids. A public hearing, as set forth in Chapter 26 and 73A, Code of Iowa, must be held at a regular or special meeting of the Board for action on said bids.

g. The acquisition of land (including easements) is excluded from the above requirements, but Land Purchase Options must be considered by the Conservation Board at a regular or special meeting and approved by at least three (3) Board Members for acceptance. Procedures for land acquisition shall conform to statutory requirements.

h. The Director is authorized to apply for grants that fit within the mission of the Board. Final acceptance of grants awarded to Polk County Conservation will receive approval of the Board.

i. The Director is authorized to negotiate mutual and cooperative agreements with final approval of agreements receiving approval of the Board.

j. The Director is authorized to sign contractual documents on behalf of the Board, when authorized by a Board resolution, with the requirement that the resolution is documented as part of the signature.

ARTICLE X.
While participation in the Polk County Conservation Board is voluntarily, there is a reasonable expectation for Board Members to take an active interest in Polk County Conservation beyond attending the monthly Board meetings. Engagement can take on several forms and the Director and Board Chair should identify Board Member's strengths to best serve Polk County Conservation. These may include but not be limited to:

1) Coming to each Board meeting educated on the agenda items
2) Having a clear understanding on their fiduciary requirements
3) Serving on standing committees of Polk County Conservation (Advisory, Golf, Public Art)
4) Membership and participation in the Great Outdoors Foundation
5) Keeping their respective Board of Supervisor apprised of major efforts being undertaken by Polk County Conservation
6) Attending major events hosted by Polk County Conservation and the Great Outdoors Foundation that benefit Polk County Conservation (public meetings, fund-raisers, special events, etc.)
7) Attendance to annual Iowa Association of County Conservation Boards (IACCB) conference
8) Advocacy for local and state issues that impact conservation efforts.
9) Learn about operations through employee engagement: (ride along with a Park Ranger; participate in a prescribed fire; harvest prairie seed; attend an environmental education program, etc.)

ARTICLE XI.
That these Bylaws shall be reviewed by the Conservation Board at the first regular Board meeting in January. Amendments may be proposed at any regular meeting but must be again considered at the next following regular meeting before adoption. Amendments shall require approval of at least three (3) Board Members.

That these Bylaws as adopted by Roll Call No. 22-0107 is hereby approved as of January 12, 2022 by the Polk County Conservation Board.

_____	_____
Chair	Board Member
_____	_____
Vice-Chair	Board Member
_____	
Secretary	

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	CONSENT 22-0110 Amanda Brown Conservation Ecologist

AGENDA HEADING:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the restoration of the Dykstra property within Chichaqua Bottoms Greenbelt, with a $20,000 match from Polk County Conservation.

INFORMATION:
The Dykstra property was acquired in 2019 and is located at the corner of NE 112th St and NE 126th Ave within Chichaqua Bottoms Greenbelt. Currently, the parcel is being leased out to a local farmer for crop production. In order to better fit Polk County Conservation's mission and goals, a restoration design was developed by Stanley Consultants Inc. to convert the land from row crop to wetlands and prairie.

Restoration will include construction of four wetlands totaling nine acres of surface area. The two biggest wetlands will be placed on actively eroding channels located on the property while the other two are shallow excavations of historic prairie potholes. The strategic placement of these wetlands provides maximum water quality benefits as well as essential wildlife habitat for wetland dependent species. The rest of the parcel will be seeded to prairie and savanna.

This project is eligible for a new grant-funding source through the Iowa Finance Authority, the Watershed Infrastructure Fund (WIF). Through this funding, projects can be awarded up to $500,000 and must provide a 5% match. Below is the funding breakdown for the project if the grant would be awarded. The estimated project cost from the engineer for the restoration is $400,000.

FISCAL IMPACT:

Amount:	Estimated Project Cost:	$400,000
	Potential Funds from WIF:	$380,000
	PCC Contribution (5% match):	$20,000

Funding Source: 2021 Polk County Water & Land Legacy Bond fund

PREVIOUS BOARD ACTION(S): NA

RECOMMENDATION:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the restoration of the Dykstra property within Chichaqua Bottoms Greenbelt, with a $20,000 match from Polk County Conservation and directing the Director of his designee to sign said application.

NOTES

1. SEE DRAWING C2 FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
2. CONTROL POINTS TABLE:

CP #	Northing	Easting	Elevation
10390	652269.42	1675358.88	931.55
10391	652262.34	1675499.58	934.95
10404	652217.16	1675336.98	930.10
10405	652225.14	1675389.05	930.54
10406	652181.95	1675361.87	928.61
10421	652175.62	1675394.89	923.42
10486	652136.81	1675321.99	923.28
10462	652156.98	1675266.83	914.94
10540	652111.73	1675272.94	915.39
10586	652004.18	1675288.99	924.34
10609	651967.2	1675367.83	925.65
10674	651940.03	1675465.06	927.66
10675	651879.92	1675429.48	927.81
10733	651806.81	1675450.12	927.63
10734	651886.99	1675424.87	927.49
10756	651755.66	1675447.55	929.05
10766	651799.43	1675488.62	927.82
10771	651805.11	1675449.96	927.61
10780	651677.29	1675440.03	940.07
10810	651724.56	1675552.97	931.08
10836	651663.16	1675611.68	930.33
10848	651625.51	1675677.5	935.25
10869	651574.11	1675732.94	934.50
10943	651952.84	1675545.88	933.34
10961	651953.72	1675601.41	932.32
10983	651925.1	1675666.67	934.09
11000	651857.18	1675722.83	938.77
11030	651805.1	1675742.97	940.76
11037	651826.74	1675772.46	943.72
11038	651788.13	1675786.13	944.55
11048	652170.14	1675447.98	918.83
11067	652186.95	1675522.98	919.45
11089	652223.94	1675536.83	920.05
11099	652213.68	1675562.12	928.54

NO.	REVISIONS	DSGN	CHKD	APVD	DATE

Stanley Consultants INC.

100 Court Avenue, Suite 300, Des Moines, Iowa 50309-2200
www.stanleyconsultants.com

POLK COUNTY CONSERVATION BOARD
DYKSTRA WETLAND CONSTRUCTION
POLK COUNTY, IOWA

OVERVIEW PLAN

AT FULL SIZE (22" X 34")
0 1 2 3 IN
0 1 2 3 4 5 6 7 8 cm

DESIGNED	T.R. THEULEN
DRAWN	S.R. JOHNSON
CHECKED	E.R. SLATTERY
APPROVED	E.R. SLATTERY
APPROVED	
DATE	OCTOBER 5, 2020

SCALE: 1"=130'
NO. 29698
C4
REV. 0

I:CADD DWG

© STANLEY CONSULTANTS

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	CONSENT 22-0111 Amanda Brown Conservation Ecologist

AGENDA HEADING:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for restoration of the Fourmile Creek Greenway, with a $32,056 match from Polk County Conservation.

INFORMATION:
The Fourmile Creek Greenway encompasses over 600-acres, following the path of Fourmile Creek as it winds through rural and urban landscapes. Due to recent buyouts, large portions of the Greenway now lay vacant; composed of abandoned streets and unmowed lots. Woodlands have become inundated with invasive species after years of neglect and prairie habitat is virtually nonexistent. Polk County Conservation will be working over the next 10 to 15 years to transition the Fourmile Creek Greenway to its historic state. Doing so will create a vital corridor for wildlife and outdoor recreation for the public, while protecting and improving our natural resources. The restoration will also allow the creek to flood naturally without posing risk to structures or residents.

A restoration plan was created by staff that includes 200-acres of woodland restoration, 170-acres of prairie plantings, and 20-acres of savannah planting planned for the Greenway area. There are also numerous oxbow scars identified for restoration. Unmowed lots will be converted to native prairie and overgrown woodlands will be restored. Once complete, the Fourmile Creek Greenway will become an urban oasis providing an escape into nature within the heart of Des Moines.

This project is eligible for a new grant-funding source through the Iowa Finance Authority - the Watershed Infrastructure Fund (WIF). Through this funding, projects can be awarded up to $500,000 and must provide a 5% match. Below is the funding breakdown for the project if the grant would be awarded. Estimates are based on costs for similar projects.

FISCAL IMPACT:

Amount:	Estimated Project Cost:	$ 532,056
	Potential Funds from WIF:	$ 500,000
	PCC Contribution (5% match + extra):	$ 32,056

Funding Source: 2021 Polk County Water & Land Legacy Bond fund

PREVIOUS BOARD ACTION(S): NA

RECOMMENDATION:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for restoration of the Fourmile Creek Greenway, with a

$32,056 match from Polk County Conservation and directing the Director of his designee to sign said application.

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	CONSENT 22-0112 Amanda Brown Conservation Ecologist

AGENDA HEADING:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the Priest Ravine Remediation Project, with a $26,260 match from Polk County Conservation.

INFORMATION:
Drainage channels traversing the Priest Property at Yellow Banks Park have experienced significant bank and channel erosion over time. This channel flows directly into Yellow Banks Pond, leading to degradation of water quality and aquatic habitat within the pond via excess sedimentation. If left unchecked, the channel will continue to erode resulting in additional negative impacts to the pond, which was recently renovated.

In order to address this erosion, a design was completed by Stantec Consulting to implement bank and channel stabilization methods along the drainage channels. Instead of utilizing traditional stabilization methods, which can be invasive and costly, the project will be implementing an innovative approach that will have less impact on the surrounding landscape and overall reduced cost.

This project is eligible for a new grant funding source through the Iowa Finance Authority, the Watershed Infrastructure Fund (WIF). Through this funding, projects can be awarded up to $500,000 and must provide a 5% match. Below is the funding breakdown for the project if the grant would be awarded. Consulting engineers have estimated the project cost to be $505,197.

FISCAL IMPACT:

Amount:	Estimated Project Cost:	$505,197
	Potential Funds from WIF:	$478,937
	PCC Contribution (5% match):	$26,260

Funding Source: 2021 Polk County Water & Land Legacy Bond fund

PREVIOUS BOARD ACTION(S):

Date:	04/14/2021
Roll Call:	21-0414 (5 Yea)
Action:	Approving change order to add additional services (plans and specifications) to the agreement with Stantec Consulting Services Inc. for the Priest Ravine Regeneration in the amount of $16,232.

Date: 12/09/2020
Roll Call: 20-1215A (5 Yea)
Action: Approving change order to add additional services to the agreement with Stantec Consulting Services Inc. for the Priest Ravine Regeneration in the amount of $12,000.

Date: 10/14/2020
Roll Call: 20-1006 (4 Yea; 1 Vacant)
Action: Approving contract with Stantec for ravine remediation design services in the flowage from Oakview Pond to Yellow Banks Pond in Yellow Banks Park, not to exceed $36,443.

RECOMMENDATION:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the Priest Ravine Remediation Project, with a $26,260 match from Polk County Conservation and directing the Director of his designee to sign said application.

Appendix A
Project Map
Yellow Brook Rd
Des Moines River
Legend
Polk County Conservation Park Land
MANAGED
PCCB owned
Priest Ravine
Priest Ravine
N

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	CONSENT 22-0113 Amanda Brown Conservation Ecologist

AGENDA HEADING:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the restoration of the Switchgrass field within Chichaqua Bottoms Greenbelt, with a $10,000 match from Polk County Conservation.

INFORMATION:
The Switchgrass field is located on NE 118th Avenue just to the west of the former Skunk River channel within Chichaqua Bottoms Greenbelt. Currently, the 45-acre parcel is being leased out to a local farmer for crop production. In order to better fit Polk County Conservation's mission and goals, a restoration design was developed through a partnership with the U.S. Fish and Wildlife Service to convert the land from row crop to wetlands and prairie.

Restoration will include construction of eight wetlands totaling eight acres of surface area. The rest of the 37-acres will be seeded to prairie. This restoration will provide water quality benefits as well as vital wildlife habitat to wetland and prairie dependent species.

This project is eligible for a new grant funding source through the Iowa Finance Authority, the Watershed Infrastructure Fund (WIF). Through this funding, projects can be awarded up to $500,000 and must provide a 5% match. Below is the funding breakdown for the project if the grant would be awarded. Using costs from other similar projects, the estimated project cost for the restoration is $200,000.

FISCAL IMPACT:

Amount:		
	Estimated Project Cost:	$200,000
	Potential Funds from WIF:	$190,000
	PCC Contribution (5% match):	$10,000

Funding Source: 2021 Polk County Water & Land Legacy Bond fund

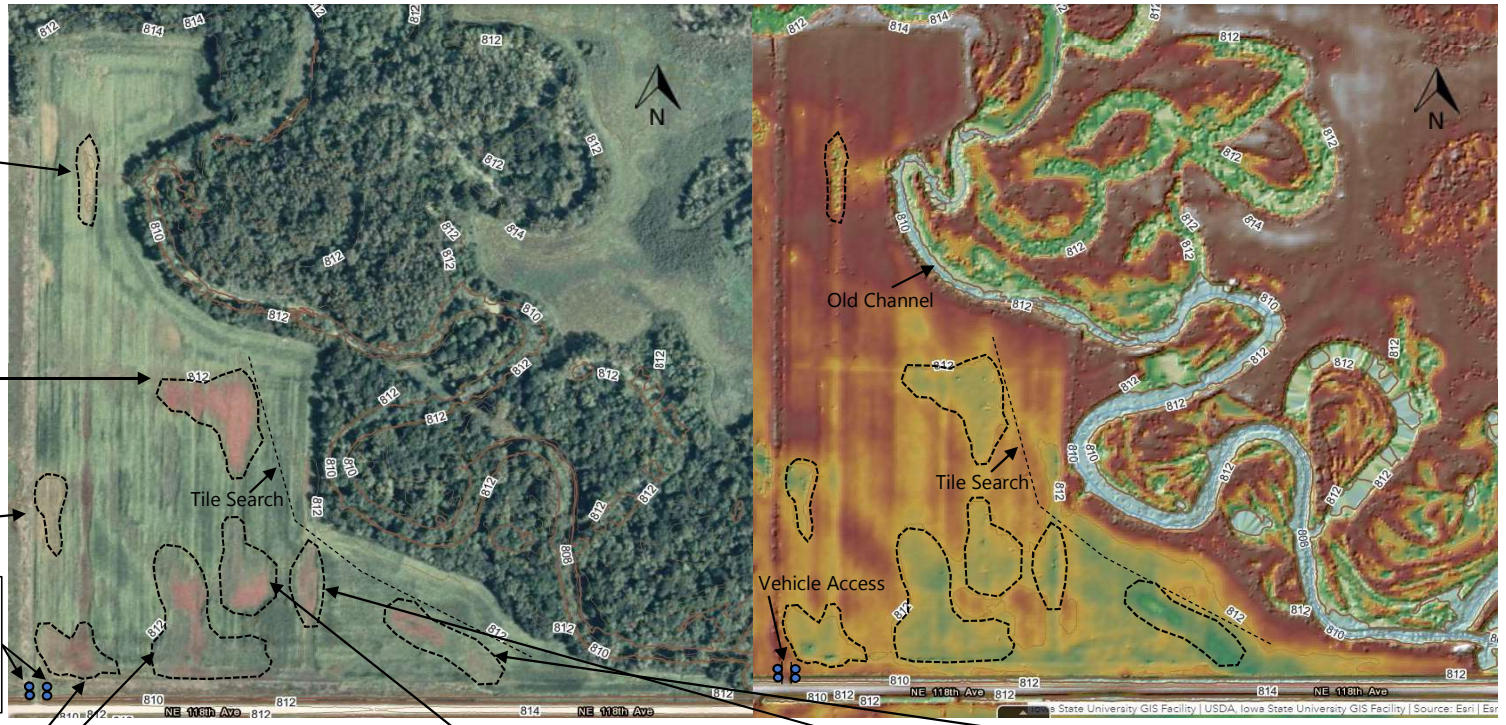
PREVIOUS BOARD ACTION(S): NA

RECOMMENDATION:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for the restoration of the Switchgrass field within Chichaqua Bottoms Greenbelt, with a $10,000 match from Polk County Conservation and directing the Director of his designee to sign said application.

Wetland 1: Optional
Surface Acres: 0.4
Max Pool Depth: 3.0’
Spoil Estimate: 1,685 CY
Side Slope: 4:1 or flatter
Top Width: 67’ avg (varies)
Bottom Width: 63’ avg (varies)
No need for tile search, holds water.

Wetland 2:
Surface Acres: 1.5
Max Pool Depth: 3.0’
Spoil Estimate: 6,644 CY
Side Slope: 4:1 or flatter
Top Width: 147’ avg (varies)
Bottom Width: 140’ avg (varies)

Wetland 3:
Surface Acres: 0.6
Max Pool Depth: 3.0’
Spoil Estimate: 2,048 CY
Side Slope: 4:1 or flatter
Top Width: 85’ avg (varies)
Bottom Width: 77’ avg (varies)



Culvert Diameters: ~36”
NW Top: 811.3’
NW BTM: 808.3’
SW Top: 811.3’
SW BTM: 808.1’
NE Top: 811.3’
NE BTM: 808.4’
SE Top: 811.4’
SE BTM: 808.4’

Wetland 4:
Surface Acres: 0.9
Max Pool Depth: 3.0’
Spoil Estimate: 4,491 CY
Side Slope: 4:1 or flatter
Top Width: 198’ avg (varies)
Bottom Width: 190’ avg (varies)
Road Top (NE 118th St): 815.5’

Wetland 5:
Surface Acres: 2.8
Max Pool Depth: 3.0’
Spoil Estimate: 14,422 CY
Side Slope: 4:1 or flatter
Top Width: 240’ avg (varies)
Bottom Width: 232’ avg (varies)
Road Top (NE 118th St): 814.8’

Wetland 6:
Surface Acres: 1
Max Pool Depth: 3.0’
Spoil Estimate: 4,445 CY
Side Slope: 4:1 or flatter
Top Width: 140’ avg (varies)
Bottom Width: 132’ avg (varies)
Road Top (NE 118th St): 814.8’

Wetland 7:
Surface Acres: 0.4
Max Pool Depth: 3.0’
Spoil Estimate: 880 CY
Side Slope: 4:1 or flatter
Top Width: 42’ avg (varies)
Bottom Width: 34’ avg (varies)
Road Top (NE 118th St): 814.8’

Wetland 8:
Surface Acres: 0.4
Max Pool Depth: 3.0’
Spoil Estimate: 1,519 CY
Side Slope: 4:1 or flatter
Top Width: 45’ avg (varies)
Bottom Width: 37’ avg (varies)
Road Top (NE 118th St): 815.0’

Site Overview
Polk County, IA
T81N R22W SE33
Page 4 of 14

Designed: Grayson Smith, USFWS
Date: 08/10/2021
Status: Conceptual Draft/Preliminary Design

Project Manager
Name:
Phone Number:
Email:

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	CONSENT 22-0114 Amanda Brown Conservation Ecologist

AGENDA HEADING:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for an oxbow restoration within the Fourmile Creek Greenway, with a $2,250 match from Polk County Conservation.

INFORMATION:
An oxbow scar has been identified for restoration along Williams Street in the Fourmile Creek Greenway. Oxbow scars are former channels that have been cut off from the current stream channel by either natural or anthropogenic (human) causes. They are especially important as nurseries for many fish species, including endangered species.

Through a partnership with the Natural Resource Conservation Service (NRCS) and The Nature Conservancy, a design has been completed and the trees necessary for successful restoration have been removed from the site.

This project is eligible for a new grant-funding source through the Iowa Finance Authority, the Watershed Infrastructure Fund (WIF). Through this funding, projects can be awarded up to $500,000 and must provide a 5% match. Below is the funding breakdown for the project if the grant would be awarded. NRCS has estimated the project cost to be $45,000.

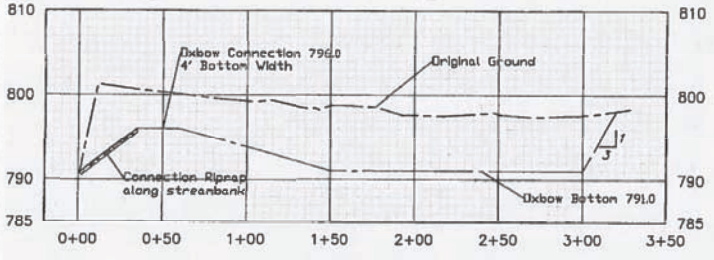
FISCAL IMPACT:

Amount:		
	Estimated Project Cost:	$ 45,000
	Potential Funds from WIF:	$ 42,750
	PCC Contribution (5% match):	$ 2,250

Funding Source: 2021 Polk County Water & Land Legacy Bond fund

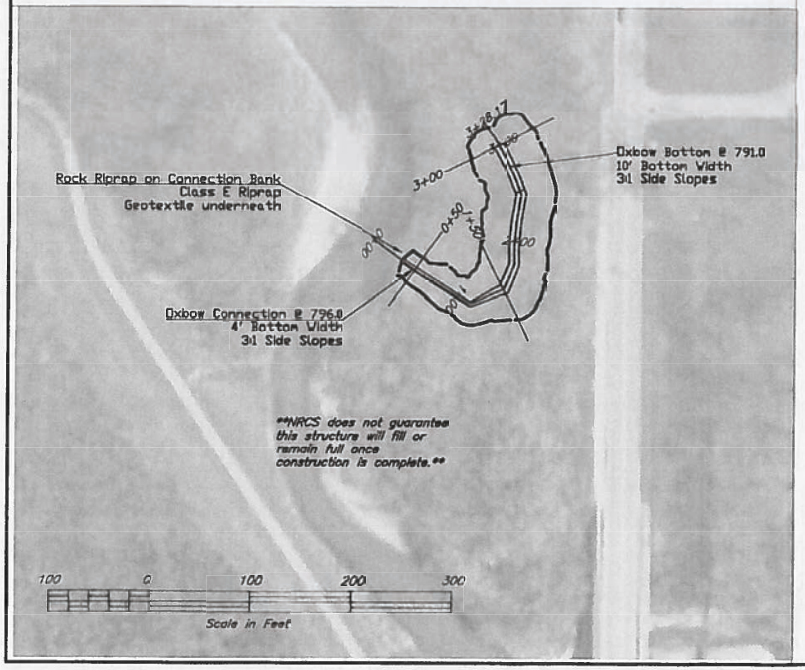
PREVIOUS BOARD ACTION(S): NA

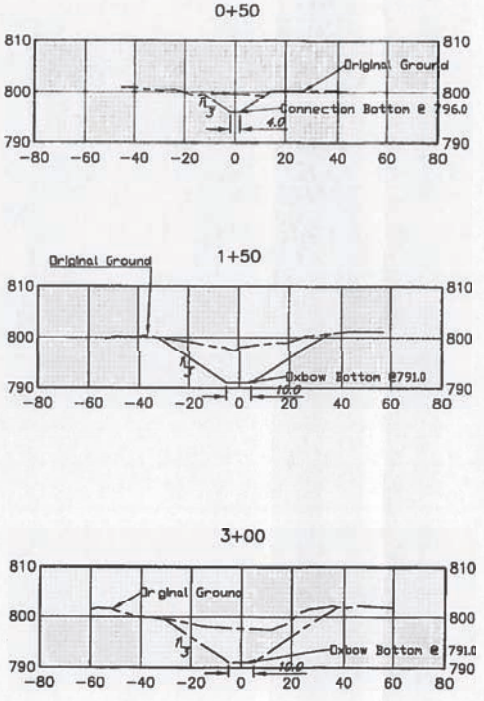
RECOMMENDATION:
Approving grant submission to Iowa Finance Authority for funding through the Watershed Infrastructure Fund for an oxbow restoration within the Fourmile Creek Greenway, with a $2,250 match from Polk County Conservation and directing the Director of his designee to sign said application.



Oxbow CL PROFILE

Oxbow Profile not drawn to scale





Oxbow Sectional View
Not drawn to scale

Designed J. Foss 11/2019
Drawn J. Foss 11/2019
Checked JACOB THOMPSON
Approved:

Polk County Conservation
Oxbow Restoration
PLAN VIEW/Sectional View
Polk County, IA
T79N R23W Sec. 33

United States Department of Agriculture
USDA
Natural Resources Conservation Service

File No. 4mile Williams St. Oxbow.dwg
Drawing No.
12/3/19 10:29 AM
Sheet 2 of 3

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Agenda Item No. Roll Call No. Submitted by:	CONSENT 22-0115 Kenneth Young Fleet Coordinator

AGENDA HEADING:
Approving the purchase of a replacement trailer for the construction department in an amount not to exceed $18,600.00 with a 10% contingency ($1,860).

INFORMATION:
In their current inventory, the construction department has a trailer that is over 36 years old and has been converted over the years into a concrete form trailer. This trailer is rated at 5,000 lbs and does not have the capacity to handle the load that is required of this trailer. For efficiency and safety reasons, we are recommending replacing this trailer with a multi-use side dump trailer that has a gross vehicle weight rating of 17,600 lbs. This replacement trailer will meet the current and future needs of the construction department. Two quotes were secured and are included with this write-up.

FISCAL IMPACT:

Amount: $18,600

Funding Source:
Polk County Conservation Fleet Budget will fund $15,200.00
Fund 6 (Cabins) will fund $3,400.00

PREVIOUS BOARD ACTION(S): None

RECOMMENDATION:
Approving the purchase of a replacement trailer for the construction department in an amount not to exceed $18,600.00 with a 10% contingency ($1,860) and authorizing the Director or his designee to sign purchase order and all related documents.

VERSA DUMP

MOTOR VEHICLE PURCHASE AGREEMENT

No. _____
Customer No. _____
DATE _____

THOMAS BUS SALES, INC.
5636 N.E. 14th St., P.O. Box 3028
Des Moines, Iowa 50316
(515) 265-6056
800-362-2092

BUYER Polk County Conservation Board
CO-BUYER
ADDRESS 12130 NW 128th St.
ADDRESS LINE 2
CITY Granger STATE IA ZIP 50109
EMAIL ADDRESS
RES. PHONE 515-669-2903 WORK
SALESPERSON BUYER'S REGISTRATION MONTH COUNTY

DESCRIPTION OF PURCHASED VEHICLE: ☒ NEW ☐ USED ☐ DEMO ☐ CAR ☐ TRUCK ☐ VAN ☐ OTHER

STOCK NO. YEAR 2022 MAKE Midsota MODEL HS18 BODY TYPE
V.I.N. TRIM COLOR Black
TO BE DELIVERED ON OR ABOUT

PRICE OF VEHICLE HS18		$ 18,600
ACCESSORIES:		
8K Axles		
Hyd. Jack		
Tarp for Dump Box		
Solar Charger		
HD Rear Gate		
DOCUMENTARY FEE		$
$	CASH PRICE	$
$	LESS DOCUMENTARY FEE	
$	LESS TRADE-IN ALLOWANCE	
$	LESS MANUFACTURER'S REBATE	
$		
$	AMOUNT SUBJECT TO FEE FOR NEW REGISTRATION	
FEE FOR NEW REGISTRATION		$
TITLE FEE		$
LICENSE FEE		$
LIEN FILING FEE (credit sale only see (3) on page 2)		$
ELECTRONIC REGISTRATION & TITLING FEE		$
Price Subject to Surcharges between now + completion date.		
TOTAL CASH DELIVERED PRICE		$
LESS TOTAL DOWN PAYMENT or PLUS AMOUNT OWED		$
UNPAID CASH BALANCE DUE ON DELIVERY		$

OTHER INFORMATION OR TERMS OF SALE:
CUSTOMER TO PAY TAX, TITLE & LICENSE FEES AT LOCAL MOTOR VEHICLE OFFICE

TRADE-IN ALLOWANCE AND OTHER CREDITS:

YEAR MAKE MODEL BODY TYPE
V.I.N. ☐
BALANCE OWED TO
YEAR MAKE MODEL BODY TYPE
V.I.N. ☐
BALANCE OWED TO

TRADE-IN GROSS ALLOWANCE	$
LESS AMOUNT OWING	$
NET TRADE-IN ALLOWANCE OR REMAINING TRADE-IN DEBT	$
CASH DOWN PAYMENT OR CREDIT BALANCE	$
MANUFACTURER'S REBATE (IF ANY)	$
TOTAL DOWN PAYMENT or AMOUNT OWED	$

BUYER'S TRADE-IN CERTIFICATION

If you are trading in a vehicle, you certify the following:

1. That there is no salvage, repair or other history on the vehicle title that would affect the value of the vehicle. If there is salvage, repair or other history on the title, you agree that the dealer may cancel this sale. That to the best of your knowledge, the vehicle was never on or required to be on a salvage, rebuilt, flood or branded title in this or any other state.
2. That the air bags are intact and in working order.
3. That while you have owned the trade-in, its odometer has not been repaired, replaced, tampered with or altered in any way. That the odometer statement, damage disclosure statement and prior vehicle history which you provided us for your trade-in is true and correct.
4. That the original emission control system (including the catalytic converter) is intact. That the engine and transmission have not been changed from the manufacturer's original specifications. That the trade-in does not have a cracked or defective head, block, powertrain or frame.

WARRANTY DISCLAIMER

Documentary Fee. A documentary fee is not an official fee. A documentary fee is not required by law, but may be charged to a buyer for the preparation of documents and the performance of related services. The maximum amount that may be charged for a documentary fee is determined by Iowa Code Section 322.19A. This notice is required by law.

You understand that this agreement ***(including the terms on page 2)*** is an offer to purchase the vehicle described which will become a binding contract once the dealer has signed it. This document represents the complete agreement between you and the dealer regardless of any other oral, written or prior agreements or representations. However, if you are buying a used vehicle, the information you see on the window form for this vehicle is part of the contract and the information on the window form overrides any contrary provision in this contract. [La informacion que aparece en la ventanilla de este vehiculo forma parte de este contrato. La informacion contenida en el formulario de la ventanilla anula cualquier prevision que establezca lo contrario y que aparezca en el contrato de venta.]

Iowa law requires us to give you the following notice: YOU understand that liability insurance coverage which would protect you under the Iowa Motor Vehicle Safety Responsibility Act IS NOT INCLUDED in your purchase of this motor vehicle.

By signing this contract, you are certifying that you are at least 18 years old (if there are two buyers, that at least one of you is 18 years old), that you have read this contract, pages 1 and 2, and agree to its terms, and that you have received a copy of it.

X _____ Buyer's Signature _____ Date of Birth

Buyer's Driver's License or I.D. No.

X _____ Co-Buyer's Signature _____ Date of Birth

Co-Buyer's Driver's License or I.D. No.

Accepted By: _____ Dealer's Authorized Representative

Customer Quote

Quote :	QT133416
Entry Date :	12/06/2021
Sales Rep :	Bryan Schlangen
Email :	bryan@midsotamfg.com

MIDSOTA TRAILER SALES & SERVICE
www.midsotatrailersales.com • 320.356.2412

Quote By

Midsota Trailer Sales & Service
404 Co Rd 50
Avon Minnesota, United States 56310
F: null
P: 3203562412

Quote to

Polk County Conservation

Item	Model	Qty	Price
HS18 82 x 18 17.6K BP	NHS18-BP-176	1	$13079.00

Standard Features

17,600 lb GVWR
17.5" H Range 16 Ply Tires (215/75R17.5)
82" Bed Width
24" Tall 11 Gauge Sides
Treated Wood Decking
Double Doors
12K Bolt-On Spring Return Jack
Power Up/Gravity Down Pump
LED Lights
Cold Weather 7 Way Plug (-85)
Midsota Exclusive Indicator Module
2 D-Ring Tie Downs
PPG Polyurethane Primer & Paint
8K Spring Axle
Tube Steel Main Frame
20" Bed Height
11 Gauge Floor Thickness
16" Crossmember Spacing
4' Ramp Gate
Poly Toolbox
Scissor Hoist Lift
12V Deep Cycle Battery
No Exposed Wiring
2-5/16" EZ Latch Adjustable Coupler
Rub Rail & Stake Pockets
5-Year Warranty

Selected Options

Color, Black	NUPGDU1000	1	$0.00
Solar Charger	NUPGDU1042	1	$278.00
Roll Tarp for Side Dump		1	$283.00
Hydraulic Jack		1	$731.00

	Surcharge	$6,467.00
Sub Total		$20838.00
Freight		$0.00

Total	$20,838.00

PRICES SUBJUCT TO CHANGE DOES NOT INCLUDE TAX, TITLE OR LICENSE FEES

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	CONSENT 22-0116 Kami Rankin Deputy Director

AGENDA HEADING:
Approving the application for Federal/State Assistance Change in Applicant's Authorized Representative to be designated as Kami Rankin on behalf of Polk County Conservation Board.

INFORMATION:

In past years Doug Romig has been listed as our agency's representative to handle Federal and State assistance claims as a result of inclement weather (floods and derecho). Senior Accountant, Natalie McFarlane, is also listed as an approved representative as our Chief Finance Officer (this status will not change). In order to gain access to our records, submit claims, and sign documents, the Polk County Conservation Board needs to designate a new Authorized Representative. Kami Rankin will step into this role with approval from the Board.

FISCAL IMPACT:

Amount: $0

Funding Source: N/A

PREVIOUS BOARD ACTION(S): None

RECOMMENDATION:
Approving the application for Federal/State Assistance Change in Applicant's Authorized Representative to be designated as Kami Rankin on behalf of Polk County Conservation Board and directing the Board Chair or his Designee to sign said application.

APPLICATION FOR FEDERAL / STATE ASSISTANCE
CHANGE IN APPLICANT'S AUTHORIZED REPRESENTATIVE or CHIEF FINANCE OFFICER
RESOLUTION # _____

GRANT / PROGRAM	GRANT ID	AWARDING AGENCY
Public Assistance - CFDA 97.036	DR-4557, DR-4421, DR-4386	DHS-FEMA

APPLICANT LEGAL NAME	FEDERAL EMPLOYER IDENTIFICATION #
Polk County Conservation Board	426004519

PHYSICAL ADDRESS	FISCAL YEAR START DATE
12130 NW 128th Street	July 1, 2022

CITY	STATE	POSTAL CODE	COUNTY
Granger	IA	50109	Polk

ORGANIZATION TYPE (check one)

- [ ] State Agency
- [ ] City
- [ ] Special District
- [X] County
- [ ] Township
- [ ] Private Non-Profit
- [ ] Other > > Organization Type: _____

APPLICANT'S DESIGNATION OF AUTHORIZED REPRESENTATIVE(S)

The signatures of the individual(s) named below shall be recognized as certification that, to the best of their knowledge and belief, the information on this application is complete and accurate, and that their respective designation to sign and file documents on behalf of the applicant cited above is authorized by official resolution, code, or statute, recognized by the governing body of the applicant as legally binding. A change of Authorized Representative will require submittal of a revised application form.

CHANGE IN AUTHORIZED REPRESENTATIVE

NAME	JOB TITLE
Kami Rankin	Deputy Director

ORGANIZATION NAME	E-MAIL ADDRESS
Polk County Conservation	kami.rankin@polkcountyiowa.gov

MAILING ADDRESS	CITY	STATE	POSTAL CODE
12130 NW 128th Street	Granger	IA	50109

OFFICE TELEPHONE #	FACSIMILE #	CELLULAR TELEPHONE #
515-323-5363	515-323-5354	515-710-4099

^ CERTIFIED BY CHIEF EXECUTIVE OFFICER OR CHIEF FINANCE OFFICER	^ EFFECTIVE DATE

CHANGE IN CHIEF FINANCE OFFICER

NAME	JOB TITLE
No change	

ORGANIZATION NAME	E-MAIL ADDRESS

MAILING ADDRESS	CITY	STATE	POSTAL CODE

OFFICE TELEPHONE #	FACSIMILE #	CELLULAR TELEPHONE #

^ CERTIFIED BY CHIEF EXECUTIVE OFFICER OR AUTHORIZED REPRESENTATIVE	^ EFFECTIVE DATE

Please attach meeting minutes showing the approval of the resolution.

POLK COUNTY CONSERVATION	Date	January 6, 2022
	Item No. Roll Call No. Submitted by:	ACTION 22-0117 Adam Fendrick Park Planner

AGENDA HEADING:
Ratifying the in-person vote that took place at the Polk County Conservation Board Retreat on Thursday, January 6th, 2022, to approve a joint application with Polk City for the Transportation Alternatives Program (TAP) grant application and intent to provide 20% matching funding for 2026 TAP funding for the High Trestle Trail to Neal Smith Trail connection.

INFORMATION:
Staff, in partnership with Polk City, would like to submit a TAP application for 2026 funding for the trail connection from Neal Smith to High Trestle Trail. Grant submittals are due on January 7, 2022, thus missing the regularly scheduled Board meeting. A Resolution is required as part of the grant application stating that the Polk County Conservation Board will commit a minimum 20% matching funds towards this project.

If approved and constructed, this trail segment will connect the Neal Smith Trail to the High Trestle Trail and provide a loop option between these trails through the communities of Ankeny and Polk City.

Polk County Conservation and Polk City will work together to put forth a solid application for the benefit of the entire trail connection. This partnership will result in better scoring and open the door for future joint applications in the future.

FISCAL IMPACT:

Amount:	$1,453,000	Estimated Project Cost
	$ 500,000	2026 TAP Grant Request
	$ 250,000	2025 TAP Grant (Awarded)
	$ 703,000	PCC- 2022 Bond Funding ($100,000 2026 20% match; $50,000 2025 20% match; $553,000 remainder of non-match funding needed at this time)

Funding Source: 2022 Polk County Land and Water Legacy Bond (Trails)

PREVIOUS BOARD ACTION(S):
Date: January 6, 2022
Roll Call: 22-0115 (Yea – 5)
Action: Approving a joint application with Polk City for the Transportation Alternatives Program (TAP) grant application and intent to provide 20% matching funding for 2026 TAP funding for the High Trestle Trail to Neal Smith Trail connection.

PREVIOUS BOARD ACTION(S):
Date: February 10, 2021

Roll Call: 21-0214 (Yea – 5)
Action: Approving Transportation Alternatives Program (TAP) grant application and intent to provide 20% matching funding for 2025 TAP funding for the Polk City to High Trestle Trail connection and authorizing the Director or his designee to sign said agreement.

RECOMMENDATION:
Ratifying the in-person vote that took place at the Polk County Conservation Board Retreat on Thursday, January 6th, 2022, to approve a joint application with Polk City for the Transportation Alternatives Program (TAP) grant application and intent to provide 20% matching funding for 2026 TAP funding for the High Trestle Trail to Neal Smith Trail connection and authorizing the Board chair or his designee to sign said Resolution.

POLK COUNTY CONSERVATION BOARD

R E S O L U T I O N

MOVED by PAM MOLLENHAUER that the following Resolution be adopted:

WHEREAS, a Resolution authorizing the Polk County Conservation to submit a joint application with Polk City for funding from the Federal Surface Transportation Block Grant Set-Aside program to the Des Moines area Metropolitan Planning Organization (MPO) for the partial funding of the construction of a trail to connect the Neal Smith to the High Trestle Trail and further approving the application which obligates the Polk County Conservation Board to provide 20% matching funds for the construction of said project (Polk County, Iowa); and

WHEREAS, Polk County Conservation Board is a full member of the Des Moines Area Metropolitan Planning Organization; and

WHEREAS, The Federal Surface Transportation Block Grant Program provides funding to local jurisdictions for the construction of eligible projects; and

WHEREAS, the program is administered by the Des Moines Metropolitan Planning Organization which prioritizes and ranks all project applications; and

NOW, THEREFORE BE IT RESOLVED that Polk County Conservation Board of the Des Moines Metropolitan Planning Organization that:

The Polk County Conservation Board supports and approves the attached application for Federal Surface Transportation Block Grant Set-Aside Program Funding.

The Polk County Conservation Board herby commits to the Des Moines Metropolitan Planning Organization 20% matching funds as required by the Federal Surface Transportation Block Grant Set-Aside Program Funding.

The Polk County Conservation Board hereby commits to accept and maintain these improvements for a minimum of twenty (20) years following completion.

Approved this 6th day of January, 2022

POLK COUNTY CONSERVATION BOARD

Ryan Crane

Ryan Crane, Chairperson

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	ACTION 22-0118 Kami Rankin Deputy Director

AGENDA HEADING:
Approving the hiring of CultureALL to conduct internal consultation and assessments for PCC staff and develop a strategy roadmap for the organization through the next 1-3 years of Diversity, Equity, and Inclusion development in an amount not to exceed $16,818.00.

INFORMATION:
After launching PCC's Strategic Plan in 2020, an internal Diversity, Equity, and Inclusion (DEI) team was pulled together to begin discussion on addressing DEI within our workforce, parks, and services. Polk County Conservation is a leading organization in its purpose of launching the residents and visitors of Polk County into their outdoor adventures. We want to include all the vast and diverse people of our community in these adventures.

We propose a three-phase initiative beginning phase one with an internal DEI assessment of its staff performed by a third-party consultant. It is important to understand where we are and where we want to be able to achieve change. Based on the consultant's findings, phase two will deliver actionable strategies that will allow PCC to address short and long-term internal goals discovered through this process. The third phase will address equity and inclusion of the services provided by PCC to the diverse public we serve. A third-party consultant with vetted methods will facilitate a thorough and impartial exploration of the necessary internal adaptations to beliefs, attitudes, habits, and values required to make PCC as equitable and inclusive as possible.

Following extensive research and careful consideration, the DEI committee recommends the external business CultureALL to engage with PCC staff throughout the initial phases of the DEI initiative. CultureALL shares PCC's beliefs in the importance of first approaching any DEI task within an organization before making changes to services provided to the public served. Cultural competency and the celebration of differences are key to properly deepen the connections within the robust and ever-changing communities of Polk County.

The Polk County Conservation DEI committee shares this proposal as both a recommended timeline and an open discussion in the pursuit of a greater shared understanding to this important work.

FISCAL IMPACT:
Amount: $16,818

Funding Source: REAP Fund

PREVIOUS BOARD ACTION(S): None

RECOMMENDATION:
Approving the hiring of CultureALL to conduct internal consultation and assessments for PCC staff and develop a strategy roadmap for the organization through the next 1-3 years of Diversity, Equity, and Inclusion development in an amount not to exceed $16,818.00 and authorize the Director or his designee to execute the agreement.

Polk County Conservation Diversity, Equity, & Inclusion Proposal

Co-Chairs: Heidi Anderson, Melissa Dempsey, Elizabeth Peitzman

Committee: Zachary Deutmeyer, Brad Janssen, Kami Rankin, Shelly Nesheim

We are pleased to submit a proposal in response to the formation of a Diversity, Equity, and Inclusion (DEI) committee based upon the needs and opportunities identified by leadership within Polk County Conservation (PCC). The following information is a summation of the DEI committee's recommendation backed by the earnest desire to advance strategic internal and external goals as they relate to the diversity, equity, and inclusion within our community.

Polk County Conservation proposes a three-phrase initiative beginning phase one with an internal DEI assessment of its staff performed by a third-party consultant. It is important to understand where we are and where we want in order to achieve change. Based on the consultant's findings, phase two will deliver actionable strategies that will allow PCC to address short and long-term internal goals discovered through this process. The third phase will address equity and inclusion of the services provided by PCC to the diverse public we serve. A third-party consultant with vetted methods will facilitate a thorough and impartial exploration of the necessary internal adaptations to beliefs, attitudes, habits, and values required to make Polk County Conservation as equitable and inclusive as possible.

The Polk County Conservation DEI committee shares this proposal as both a recommended timeline and an open discussion in the pursuit of a greater shared understanding to this important work. Additionally, this committee recommends that the authorization and provision of resources be allocated for the continuation of a DEI committee indefinitely as the critical lever for progress within Polk County Conservation.

Overview

Polk County Conservation is a leading organization in its purpose of launching the residents and visitors of Polk County into their outdoor adventures. We want to include all the vast and diverse people of our community in these adventures. We recognize that the public we have historically served does not reflect the demographics of the county in which we reside.

Based on directives from the 2020 PCC's strategic planning process, Director Rich Leopold created the formation of a DEI committee to begin the discussion on addressing diversity, equity, and inclusion within our workforce, parks, and services.

Following extensive research and careful consideration, the DEI committee recommends the external business CultureALL to engage with PCC staff throughout the initial phases of the DEI initiative. Their team utilizes inclusive experiences in cultural traditions to exposed the people of owa to new ideas and value systems. This combined with their use of the comprehensive and internationally recognized Intercultural Development Inventory (IDI) makes them the best consultant to guide PCC through our initial assessment and strategic planning.

CultureALL shares PCC's beliefs in the importance of first approaching any DEI task within an organization before making changes to services provided to the public served. Healthy attitudes and behaviors must be cultivated within staff prior to making those necessary external adaptations in both how business is conducted, and the services provided to the public. Cultural competency and the celebration of differences are key to properly deepen the connections within the robust and ever-changing communities of Polk County.

CultureALL offers a unique blended approach to organizational transformation, connecting expertise in DEI practice with the skills to enable adaptive leadership capacity throughout PCC's ranks. Their team creates space in which PCC staff members can fully express themselves anonymously while experiencing growth and development as both an individual and as part of a team.

The first step in this journey is to fully integrate diversity, equity, and inclusion mindsets and practices more intentionally amongst the hierarchy of employees within Polk County Conservation. This committee believes that CultureALL's aptitude and track record make them the best consultant to guide PCC through this initiative.

PCC Diversity, Equity, And Inclusion

The DEI committee has developed the following statements, values, and goals:

Vision Statement

Polk County Conservation embraces the differences of all people by inspiring acceptance and accessibility in our workforce, culture, and services. We offer inclusive 365-day access to open space, outdoor experiences, and abundant resources for the diverse communities of Polk County now and into the future.

Mission Statement

To create a diverse and inclusive workforce in Polk County allowing us to offer welcoming, comfortable spaces and equitable experiences for the communities we serve.

Land Acknowledgement (Crafted by the Office of the State Archeologist for PCC)
We recognize that Polk County Conservation properties sit on land once occupied by numerous different groups of Iowa's Indigenous People. Through several treaties with the United States, Tribal Nations ceded land in Iowa to make way for the State of Iowa. Dealings between the United States and American Indian Tribal Nations were not always honorable, and some of the provisions of these treaties have been broken. A new community now thrives on these lands, and we owe a debt to the Tribal Nations that occupied this land previously. These Tribal Nations are an important part of our national and regional heritage; many of them persist today and continue to be recognized formally by the U.S. government.

We hereby acknowledge those Tribal Nations and Iowa's Indigenous People and express our appreciation and respect. The University of Iowa Native American Council Acknowledgement of Land and Sovereignty lists the names of each of these Tribal Nations and all the treaties between the United States and Indigenous Peoples involving lands in Iowa.

Core Values

- Excellence in inclusive public service, stewardship, and programming.
- Sustainability in balancing the environmental, social, and economic impacts of PCC parks and facilities.
- Equitable and responsible planning and development.
- Commitment to ongoing education and growth of PCC personnel.

Goals & Objectives

Internal

- Increase the overall level of representation and perspectives amongst potential candidate pools so that our organization reflects our diverse community.
- Training of future employees to include a robust on-boarding plan unique to each division within PCC.
- Create and implement a formal inclusion policy that will thrive through staff turnover, leadership changes, and shifts within agency priorities.
- Invest in continuing education and creating inclusive staff culture.
- Create a culture of safety, belonging, and wellness through healthy open dialog, vulnerability, and tolerance through improved understanding and appreciation of differences.

External

- Decrease known barriers and identify obstacles to increase opportunities for participation of underrepresented communities and populations that reflect the demographics of Polk County.
- Manage and operate a safe inclusive system of parks, trails, and natural areas so that people of all cultures and races have an opportunity to connect with nature and one another.
- Build department capacity for equitable community engagement and partnerships.

CultureALL

Local Core Team

The highly regarded professionals who deliver CultureALL's consulting, assessment, development, training, and experiential services will be at the service of Polk County Conservation. The team includes respected experts in leadership and management of organizational change.

Assessment, Development, and Implementation Approach

Following the assessment phase, CultureALL will assist in developing a road map that guides our organization in shifting attitudes and behaviors to embrace diversity. Specific activities and trainings will be identified for individual employee growth and development.

The initial step in this process will require taking inventory of PCC staff capacity to accept and adapt to differences. Using the Intercultural Development Inventory (IDI), CultureALL will gain insight into the lenses that our employees use to see differences.

Group data generated through the IDI assessment indicates how well PCC staff navigate diversity. This data fuels our efforts to create the kinds of experiences, policies, and practices that welcome and value all the qualities that each person brings to the team. Individuals' data will be provided to them in one-on-one, confidential sessions along with a personal development plan, allowing each employee to strive towards growth in their interpersonal skills and decision-making abilities.

Considering all biases, realized or not, are carried out in behaviors, assumptions, values, and accepted norms, successful DEI work requires the cooperation of a group comprised of the people experiencing the issues firsthand and across all departments and levels of authority. Reviewing the data together, and engaging in courageous and vulnerable conversation are critical pieces to this initiative. Once group members can hear each other, paying particular attention to the voices of minority identity groups, they can begin to arrive at a common problem definition of the top equity-related challenges to address.

CultureALL's Work Plan

The following summary provides more detail about the specific ways CultureALL will strengthen this organization's skill, confidence, and grace as we navigate diversity and bridge differences successfully.

Consultation

CultureALL will learn about PCC's current goals and past efforts in addition to the organization's internal culture and structures that make employee engagement and professional development activities easier. CultureALL will utilize this insight to develop our road map after the assessments.

Assessment
CultureALL will send each participant a unique email with login information to take the IDI. This 20-minute, online survey of 50 questions generates psychometric data for evaluation.

Understand Mindsets
CultureALL will acquaint participants with the five mindsets found along the Intercultural Development Continuum. Having a deeper understanding of the IDC allows participants to interpret the IDI assessment data more accurately. Simultaneously, it introduces our employees to the long-term process and the goals we are working towards.

Create a Roadmap
CultureALL's professional advisors will collaborate with group leaders to examine the IDI assessment data and what it indicates about our organization's ability to accept and adapt to differences. Discussions will take place about where we aspire to be in our journey to engaging and valuing diversity. This data exploration will also indicate any potential challenges we might encounter as we work towards our goals.

Individual Development Plans – Personal Growth
CultureALL supports each participant with one-on-one, private conversations designed to develop a multicultural mindset. Participants will leave their session with three self-selected developmental activities designed to serve their personal growth goals. CultureALL will follow up with each participant at least once more to encourage commitment, discovery, and reflection.

Skill Building and Opportunities to Practice
With the data collected and a unique roadmap created, CultureALL will identify, recommend, and provide education and activities required to keep progress moving forward. Some of this work may be designed and implemented internally, however, the DEI committee recommends that professional training be conducted in cooperation with CultureALL or other qualified external organizations.

Measure Progress
CultureALL will encourage PCC to create smart goals and a manageable scorecard as a way of keeping this work a priority. Following year one of this work, CultureALL will assess the original participants once more. This will provide PCC with data-driven evidence regarding its investment in diversity efforts, as well as prioritize any additional goals as PCC continues to work toward greater equity and inclusion.

Timeline

Year	Description	Investment
1	**Consultation** • Evaluation of PCC culture and structure • Create plan to achieve goals **Assessments** • IDI Assessments of staff • Understand and interpret the mindsets of staff along the Intercultural Development Continuum **Strategy** • Create a roadmap/plan based on the assessment findings to guide PCC towards greater equity and inclusion • Create a scorecard to keep track of internal progress	$16,818.00
2	**DEI Training*** • Determine what types of training would be beneficial based on roadmap • Schedule all-staff trainings **Check Progress** • Take second IDI inventory of staff • Assess findings based on scorecard developed in year 1	*TBD
1-3	**Follow Roadmap Strategies** • Based on assessment findings and goals set	
2-5	**Establishing Policies and Recommended Training**	

**Additional investments will be determined during the assessment and strategizing process*

Budget - Year 1

Consultation & Assessment

Qty.	Description	Investment/ Unit	Total
58	IDI Assessments • Cost per participant - direct costs passed through, no up-charge	$21.00	$1,218.00
1	Understanding the Mindsets (IDC) • One 90-min session • Debrief the IDI Assessment results	$1,500.00	$1,500.00
*58	Individual Development Plans • Cost per participant (discounts available for certain projects) • Private, confidential one-on-one discussions • Includes one private follow-up session; periodic coaching is recommended **Subject to change, dependent on findings and needs of PCC*	$200.00	$11,600.00
		ESTIMATE for ASSESSMENT	$14,318.00

Planning & Strategy Development

Qty.	Description	Investment/ Unit	Total
1	Create a Roadmap • Analysis of the IDI data in partnership with a core planning team • Results in a 1 to 3-year plan for achieving organizational goals • Plan recommends training/experiences for the appropriate mindsets • Plan details the cadence of developmental activities • Plan lists options for measuring progress to help drive success	$2,500.00	$2,500.00
		ESTIMATE for ROADMAP	$2,500.00
		YEAR 1 FULL ESTIMATE	$16,818.00

Summary of Recommendations

Hire CultureALL, an external consulting service, to conduct internal assessments of Polk County Conservation internal workings as well as develop a guiding plan to carry the organization through the next 1-3 years of DEI work.

Include the Polk County Conservation DEI mission statement, vision statement, and land acknowledgment where feasible in literature and online occurrences where the main PCC organization mission statement currently exists (i.e., website(s), social media, print).

The PCC DEI committee will continue to function as a standing committee and include representatives from each division (Administration, Community Outreach, Construction/Maintenance, Environmental Education, Natural Resources, Parks, Equestrian Center.) The committee will meet regularly to review and discuss DEI initiatives and programs.

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	ACTION 22-0119 Kenneth Young Fleet Coordinator

AGENDA HEADING:
Approving Vehicle and Equipment Replacement program for FY22/23 and authorizing staff to acquire said vehicles and equipment upon Board of Supervisors FY22/23 budget approval and reallocate any proceeds from sales to support equipment needs.

INFORMATION:
The annual appropriation for equipment and vehicle replacement is budgeted at $280,000. Additionally, any used equipment and vehicles sold at auction can be used for added purchases throughout the year. This is budgeted at $5,000 annually. In reviewing the operational needs of all units, staff is recommending the replacement of the following pieces of equipment:

Item	Estimated Cost	Division
*2008 Toyota Prius	$30,000	Environmental Education
*2008 Dodge Caravan	$39,000	Environmental Education
*2010 Ford Escape	$30,000	Administration
*2010 Ford Explorer	$55,000	Parks – Jester Park
2011 Ford F-250	$39,000	Parks – Easter Lake
Bobcat T190 Skid Steer	$59,000	Construction Maintenance
2009 Kawasaki Mule	$20,500	Natural Resource
John Deere Rotary Mower	$7,500	Parks - Easter Lake
	$280,000	Total Request

The asterisk (*) symbol indicates that the replacement vehicle for this item will be 100% electric or hybrid in nature. Of particular interest is the replacement of the 2010 Ford Explorer with a Ford F-150 Lightning truck. This will be the first 100% electric truck added to our fleet.

FISCAL IMPACT:
Amount: $280,000

Funding Source: $285,000 Fleet Budget and County Auction Proceeds
$280,000 Fleet Operating Budget
$ 5,000 Fleet Operating Budget (County Auction Proceeds)

PREVIOUS BOARD ACTION(S):
Date: January 13, 2021
Roll Call: 20-0119 (4 Yea; 1 Vacant)
Action: Approving Vehicle and Equipment Replacement program for FY21/22 and authorizing staff to acquire said vehicles and equipment upon Board of Supervisors

F21/22 budget approval and reallocate any proceeds from sales to support equipment needs.

Date: January 8, 2020
Roll Call: 20-0110 (4 Yea; 1 Vacant)
Action: Approving Vehicle and Equipment Replacement program for FY20/21 and authorizing staff to acquire said vehicles and equipment upon Board of Supervisors FY20/21 budget approval and re-allocate any proceeds from sales to support equipment needs.

Date: January 9, 2019
Roll Call No. 01-0111 (5 Yea)
Action: Approving Vehicle and Equipment Replacement program for FY19/20 and amending annual operating budget to increase the total appropriations for vehicle and equipment replacement to $280,000 annually, if Board of Supervisors approve the FY19/20 Decision Package.

RECOMMENDATION:
Approving Vehicle and Equipment Replacement program for FY22/23 and authorizing staff to acquire said vehicles and equipment upon Board of Supervisors FY22/23 budget approval and reallocate any proceeds from sales to support equipment needs.

POLK COUNTY CONSERVATION	Date	January 12, 2022
	Item No. Roll Call No. Submitted by:	CLOSED SESSION 22-0120 Cassandra Cook Conservation Ecologist

AGENDA HEADING:
Action from Closed Session discussion of land acquisition opportunities.

INFORMATION:
Polk County Conservation has the opportunity to acquire land with excellent conservation potential at several locations within Polk County. Cost-share opportunities may be available to assist with acquisition and restoration expenses. Nearby PCC landholdings add additional interest to these properties.

FISCAL IMPACT: TBD

PREVIOUS BOARD ACTION(S):

Date:
RollCall:
Action:

RECOMMEDATION:
Direct staff to proceed on these land acquisition opportunities based on information presented and pursuant to Board discussion.